August 14, 2023

Ventura County Air Pollution Control District
4567 Telephone Road, 2nd Floor
Ventura, California 93003
805-303-4005

Mr. Matt Salazar
Air Enforcement Office
US EPA, Region IX
75 Hawthorne Street
San Francisco, CA 94105

RE: 40 CFR 63, Subpart AAAA Semi-Annual Report
Simi Valley Landfill and Recycling Center, Simi Valley, California

January – June 2023

To Whom it May Concern,

Pursuant to Title 40 Code of Federal Regulations 63.1981(h), Waste Management of California, Inc. is submitting the Semi-Annual Report for the Simi Valley Landfill and Recycling Center (SVLRC). This report covers the period from January 1, 2023 to June 30, 2023.

If you have any questions or comments regarding this document, please call Collin Pavelchik at (510) 714-6098 (cpavelch@wm.com).

I certify that I have knowledge of the facts herein set forth, that the same are true, accurate and complete to the best of my knowledge and belief, and that all information not identified by me as confidential in nature shall be treated by the Ventura County Air Pollution Control District as public record.

Sincerely,

Nicole Stetson
District Manager
Waste Management

cc Mr. Christian Colline, Waste Management
Ms. Jayna Morgan, Waste Management
Mr. Dustin Colyar, Waste Management
Mr. Matthew Darr, Waste Management

AUGUST 2023

40 CFR 63, SUBPART AAAA SEMI-ANNUAL REPORT
JANUARY – JUNE 2023

SIMI VALLEY LANDFILL AND RECYCLING CENTER
Ventura, California

2801 Madera Road, Simi Valley, CA 93065
Facility No. 01395

EXECUTIVE SUMMARY

The Simi Valley Landfill and Recycling Center (SVLRC) is a municipal solid waste (MSW) landfill located in Ventura, California in Ventura County and is owned/operated by Waste Management of California, Inc. The facility is subject to the requirements of the United States Environmental Protection Agency's (USEPA) *Standards of Performance for Municipal Solid Waste Landfills*; 40 Code of Federal Regulations (CFR) Part 63, Subpart AAAA and as such is submitting this NESHAP AAAA Report.

On June 21, 2021, new requirements from 40 CFR 62.1115(b)(2) incorporated monitoring, recordkeeping, and reporting requirements for landfill gas temperatures at wellheads from sections of 40 CFR 62, Subpart OOO that were incorporated into the California State Plan 40 CFR 62 Subpart F. As of September 27, 2021, SVLRC began complying with 40 CFR 63, Subpart AAAA in lieu of the 40 CFR 62 Subpart OOO sections that were incorporated into the 40 CFR 62 Subpart F California State Plan.

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1.0 40 CFR 63.1981(h) SEMI-ANNUAL REPORT

SVLRC is submitting this Report because the existing MSW landfill owns and/or operates an active landfill gas collection and control system. The following summarizes the report requirements pursuant to §63.1981(h). This report covers from January 1, 2023 through June 30, 2023.

1.1 Exceedance of Applicable Parameters §63.1981(h)(1)

§63.1981(h)(1) Number of times that applicable parameters monitored under §63.1958(b), (c), and (d) were exceeded and when the gas collection and control system was not operating under §63.1958(e), including periods of SSM. For each instance, report the date, time, and duration of each exceedance.

(i) Where an owner or operator subject to the provisions of this subpart seeks to demonstrate compliance with the temperature and nitrogen or oxygen operational standards in introductory paragraph §63.1958(c), provide a statement of the wellhead operational standard for temperature and oxygen you are complying with for the period covered by the report. Indicate the number of times each of those parameters monitored under §63.1961(a)(3) were exceeded. For each instance, report the date, time, and duration of each exceedance.

(ii) Where an owner or operator subject to the provisions of this subpart seeks to demonstrate compliance with the operational standard for temperature in §63.1958(c)(1), provide a statement of the wellhead operational standard for temperature and oxygen you are complying with for the period covered by the report. Indicate the number of times each of those parameters monitored under §63.1961(a)(4) were exceeded. For each instance, report the date, time, and duration of each exceedance.

(iii) Beginning no later than September 27, 2021, number of times the parameters for the site-specific treatment system in §63.1961(g) were exceeded.

1.1.1 Wells Operating Under Positive Pressure §63.1958(b)

§63.1958(b) Operate the collection system with negative pressure at each wellhead except under the following conditions:

(1) A fire or increased well temperature. The owner or operator must record instances when positive pressure occurs in efforts to avoid a fire. These records must be submitted with the semi-annual reports as provided in §63.1981(h);

(2) Use of a geomembrane or synthetic cover. The owner or operator must develop acceptable pressure limits in the design plan;

(3) A decommissioned well. A well may experience a static positive pressure after shut down to accommodate for declining flows. All design changes must be approved by the Administrator as specified in §63.1981(d)(2);

SVLRC operated in compliance with all wellhead monitoring standards listed in §63.1958(b) during the reporting period. All instances of positive pressure were corrected within applicable Subpart AAAA timelines.

On a monthly basis operations and maintenance personnel measure the gauge pressure, temperature, and oxygen concentration at each well head. The gauge pressure taken at the wellhead is used in determining the presence of vacuum at the collector. Measurements are taken with a portable meter which is calibrated per the manufacturer's specifications.

Wells that were found to be operating at positive pressures are summarized in the following table.

Wells Operating Under Positive Pressure

Name	Initial Reading		Corrective Action Date	5-Day Corrective Action	Final Reading		Duration (days)
	Date	Value ("H_20)			Date	Value ("H_20)	
1778S	1/2/23	2.33	1/2/23	Inc. Flow/Vac	1/2/23	-3.56	<1
1938S	2/7/23	0.03	2/7/23	Inc. Flow/Vac	2/7/23	-0.08	<1
2001B	1/6/23	0.01	1/6/23	Inc. Flow/Vac	1/6/23	-0.34	<1
2052S	1/2/23	0.42	1/2/23	Inc. Flow/Vac	1/2/23	-0.95	<1
2105A	1/13/23	0.52	1/13/23	Inc. Flow/Vac	1/13/23	-0.74	<1
2107A	1/13/23	0.44	1/13/23	Inc. Flow/Vac	1/13/23	-0.26	<1
2123A	4/18/23	0.67	4/18/23	Inc. Flow/Vac	4/18/23	-0.19	<1
2123A	4/21/23	0.92	4/21/23	Inc. Flow/Vac	5/3/23	-0.94	12
2125A	4/18/23	0.79	4/18/23	Inc. Flow/Vac	5/3/23	-0.31	15
2126A	4/18/23	4.67	4/18/23	Inc. Flow/Vac	5/3/23	-1.36	15

Wells Operating Under Positive Pressure

Name	Initial Reading		Corrective Action Date	5-Day Corrective Action	Final Reading		Duration (days)
	Date	Value ("H_20)			Date	Value ("H_20)	
2127A	4/18/23	2.59	4/18/23	Inc. Flow/Vac	5/3/23	-0.23	15
2128A	4/18/23	1.20	4/18/23	Inc. Flow/Vac	5/3/23	-0.34	15
2129A	4/18/23	0.49	4/18/23	Inc. Flow/Vac	5/3/23	-1.21	15
2199A	1/18/23	0.17	1/18/23	Inc. Flow/Vac	1/18/23	-0.39	0
1785	1/17/23	0.3	1/17/23	Inc. Flow/Vac	1/17/23	-0.09	0
1802	1/2/23	0.17	1/2/23	Inc. Flow/Vac	1/2/23	-0.3	0
1813	1/18/23	0.12	1/18/23	Inc. Flow/Vac	1/18/23	-1.31	0
2045	1/17/23	0.29	1/17/23	Inc. Flow/Vac	1/17/23	-0.14	0
2215	1/18/23	2.16	1/18/23	Inc. Flow/Vac	1/18/23	-0.25	0
2221	1/6/23	1.54	1/6/23	Inc. Flow/Vac	1/6/23	-1.04	0
2135A	6/29/23	0.09	6/29/23	Inc. Flow/Vac	6/29/23	-0.27	0
2135B	6/29/23	0.03	6/29/23	Inc. Flow/Vac	6/29/23	-0.16	0
2337A	6/29/23	1.69	6/29/23	Inc. Flow/Vac	6/29/23	-0.46	0
2338A	6/29/23	1.92	6/29/23	Inc. Flow/Vac	6/29/23	-0.19	0
2339A	6/29/23	1.29	6/29/23	Inc. Flow/Vac	6/29/23	-0.35	0
2340A	6/29/23	0.56	6/29/23	Inc. Flow/Vac	6/29/23	-0.25	0

1.1.2 Wells with Temperatures >145°F or HOV §63.1958(c)

*§*63.1958*(c) Operate each interior wellhead in the collection system as specified in 40 CFR 60.753(c), until the landfill owner or operator elects to meet the operational standard for temperature in paragraph (c)(1) of this section.*

(1) Beginning no later than September 27, 2021, operate each interior wellhead in the collection system with a landfill gas temperature less than 62.8 degrees Celsius (145 degrees Fahrenheit).

(2) The owner or operator may establish a higher operating temperature value at a particular well. A higher operating value demonstration must be submitted to the Administrator for approval and must include supporting data demonstrating that the elevated parameter neither causes fires nor significantly inhibits anaerobic decomposition by killing methanogens. The demonstration must satisfy both criteria in order to be approved (i.e., neither causing fires nor killing methanogens is acceptable).

The applicable standard for temperature and oxygen during this reporting period was §63.1958(c)(1), [62.8°C (145°F) or higher operating value (HOV), no oxygen limits]. SVLRC operated in compliance with all wellhead monitoring standards listed in §63.1958(c) during the reporting period. There were no instances of temperatures greater than 145°F (or HOV).

Each landfill gas collector is equipped with an access port allowing for measuring temperature at each wellhead. On a monthly basis operations and maintenance personnel measure the gauge pressure, temperature, and oxygen concentration at each well head. Measurements are taken with a portable meter which is calibrated per the manufacturer's specifications.

Wells with Landfill Gas Temperature Greater than 145°F or HOV

Name	Initial Reading		5-Day Corrective Action	Final Reading		Duration (days)
	Date	Temp (°F)		Date	Temp (°F)	
N/A						

A list of all current HOVs (greater than 145°F) is presented in the following table:

Wells with Temperature HOVs

Device	Date	HOV
SIM1778D	6/18/2021	150
SIMW1779	6/18/2021	150

Device	Date	HOV
SIMW1232	6/18/2021	150
SIMW1233	6/18/2021	150

*SVLRC also has seventy-two (72) existing HOVs for temperatures equal or greater than 131°F and equal or less than 145°F.

1.1.3 Surface Emissions Monitoring §63.1958(d)

§63.1958(d)(1) Operate the collection system so that the methane concentration is less than 500 parts per million (ppm) above background at the surface of the landfill. To determine if this level is exceeded, the owner or operator must conduct surface testing around the perimeter of the collection area and along a pattern that traverses the landfill at no more than 30-meter intervals and where visual observations indicate elevated concentrations of landfill gas, such as distressed vegetation and cracks or seeps in the cover. The owner or operator may establish an alternative traversing pattern that ensures equivalent coverage. A surface monitoring design plan must be developed that includes a topographical map with the monitoring route and the rationale for any site-specific deviations from the 30-meter intervals. Areas with steep slopes or other dangerous areas may be excluded from the surface testing.

(2) Beginning no later than September 27, 2021, the owner or operator must:

(i) Conduct surface testing using an organic vapor analyzer, flame ionization detector, or other portable monitor meeting the specifications provided in §63.1960(d).

(ii) Conduct surface testing at all cover penetrations. Thus, the owner or operator must monitor any cover penetrations that are within an area of the landfill where waste has been placed and a gas collection system is required.

(iii) Determine the latitude and longitude coordinates of each exceedance using an instrument with an accuracy of at least 4 meters. The coordinates must be in decimal degrees with at least five decimal places.

Surface emissions monitoring is discussed in Section 1.5.

1.1.4 Treatment System Monitoring §63.1981(h)(1)(iii)

§63.1981(h)(1) (iii) Beginning no later than September 27, 2021, number of times the parameters for the site-specific treatment system in §63.1961(g) were exceeded.

§63.1961(g) Each owner or operator seeking to demonstrate compliance with §63.1959(b)(2)(iii)(C) using a landfill gas treatment system must calibrate, maintain, and operate according to the manufacturer's specifications a device that records flow to the treatment system and bypass of the treatment system (if applicable). Beginning no later than

September 27, 2021, each owner or operator must maintain and operate all monitoring systems associated with the treatment system in accordance with the site-specific treatment system monitoring plan required in §63.1983(b)(5)(ii). The owner or operator must:

(1) Install, calibrate, and maintain a gas flow rate measuring device that records the flow to the treatment system at least every 15 minutes; and

(2) Secure the bypass line valve in the closed position with a car-seal or a lock-and-key type configuration. A visual inspection of the seal or closure mechanism must be performed at least once every month to ensure that the valve is maintained in the closed position and that the gas flow is not diverted through the bypass line.

SVLRC does not operate a treatment system and therefore, is not subject to the requirements of §63.1981(h)(1)(iii).

1.2 Gas Stream Diversion §63.1981(h)(2)

§63.1981(h)(2) Description and duration of all periods when the gas stream was diverted from the control device or treatment system through a bypass line or the indication of bypass flow as specified under §63.1961.

The gas collection system is not designed nor equipped to bypass the control device(s); therefore §63.1981(h)(2) is not applicable.

1.3 Control or Treatment System Downtime Events §63.1981(h)(3)

§63.1981(h)(3) Description and duration of all periods when the control device or treatment system was not operating and length of time the control device or treatment system was not operating.

Control device and treatment system downtime events were recorded in compliance with §63.1981(h)(1) and (3) during the reporting period. The following tables summarize all the periods when the control devices and/or treatment system were not operating.

Enclosed Flare No. 3 Downtime Events

Shutdown	Startup	Duration (hours)	Reason
1/13/2023 15:05	1/13/2023 16:05	1.00	High Burner Temp
1/21/2023 23:32	1/22/2023 12:32	13.00	Combustion Air Blower
1/23/2023 8:04	1/23/2023 15:46	7.70	Manual Shut Down for Maintenance
1/24/2023 20:16	1/25/2023 6:14	9.97	Power Outage

Enclosed Flare No. 3 Downtime Events

Shutdown	Startup	Duration (hours)	Reason
1/27/2023 10:02	1/27/2023 12:42	2.67	Install Replacement VFD
2/1/2023 10:34	2/1/2023 15:02	4.47	Low Stack Temp
2/22/2023 23:22	2/23/2023 10:58	11.60	Condensate Sumps Backed Up
3/16/2023 2:52	3/16/2023 7:40	4.80	High Burner Temp Flare 4 Shut Down
3/18/2023 12:10	3/18/2023 17:36	5.43	Condensate Sump 4 Pump Failure
3/20/2023 6:50	3/23/2023 12:06	77.27	Sump Surging/ Shut Down to Clean Pump
4/11/2023 15:00	4/11/2023 17:40	2.67	Combustion Air Blower Filter Change Out
5/13/2023 6:46	5/13/2023 12:36	5.83	Blown Fuse Flare 3 CAB VFD
5/17/2023 1:36	5/17/2023 9:06	7.50	Power Outage
5/18/2023 7:46	5/18/2023 13:20	5.57	Manual Shut Down for Maintenance
6/5/2023 23:30	6/6/2023 8:50	9.33	Coupling Failed on H2S Vessel
6/8/2023 7:05	6/8/2023 12:50	5.75	Maintenance on Louver
6/22/2023 4:20	6/22/2023 17:15	12.92	Manual Shut Down for Maintenance

Enclosed Flare No. 4 Downtime Events

Shutdown	Startup	Duration (hours)	Reason
1/13/2023 15:05	1/13/2023 16:05	1.00	High Burner Temp
1/21/2023 23:32	1/22/2023 12:32	13.00	Combustion Air Blower
1/23/2023 8:04	1/23/2023 15:46	7.70	Manual Shut Down for Maintenance
1/1/2023 0:00	1/27/2023 13:42	637.70	VFD Arc Flash
2/11/2023 10:54	2/13/2023 11:12	**48.30**	Thermocouple Failure
2/23/2023 0:30	2/23/2023 12:05	11.58	Condensate Sumps Backed Up

3/16/2023 9:56	3/17/2023 13:58	28.03	High Burner Temp / Replaced Burner
3/18/2023 12:10	3/18/2023 17:36	5.43	Condensate Sump 4 Pump Failure
3/20/2023 6:50	3/20/2023 12:45	5.92	Sump Surging
3/22/2023 7:24	3/22/2023 20:16	12.87	Shut Down to Clean Sump
4/11/2023 15:00	4/11/2023 16:28	1.47	Combustion Air Blower Filters
4/23/2023 18:42	4/24/2023 8:50	14.13	Thermocouple Failure
4/24/2023 18:26	4/25/2023 9:56	15.50	Thermocouple Failure
5/13/2023 9:38	5/13/2023 11:42	2.07	Blown Fuse Flare 3 CAB VFD
5/17/2023 1:36	5/17/2023 8:10	6.57	Power Outage
5/18/2023 8:26	5/18/2023 15:48	7.37	Manual Shut Down for Maintenance
6/5/2023 23:20	6/6/2023 13:01	13.68	Coupling Failed on H2S Vessel
6/22/2023 4:25	6/23/2023 6:50	26.42	CAB 220 Failure

1.4 Collection System Downtime Events §63.1981(h) (4)

§63.1981(h)(4) All periods when the collection system was not operating.

§63.1958(e) Operate the system as specified in § 60.753(e) of this chapter, except:

(1) Beginning no later than September 27, 2021, operate the system in accordance to §63.1955(c) such that all collected gases are vented to a control system designed and operated in compliance with §63.1959(b)(2)(iii). In the event the collection or control system is not operating:

(i) The gas mover system must be shut down and all valves in the collection and control system contributing to venting of the gas to the atmosphere must be closed within 1 hour of the collection or control system not operating; and

(ii) Efforts to repair the collection or control system must be initiated and completed in a manner such that downtime is kept to a minimum, and the collection and control system must be returned to operation.

The gas collection system was operated in accordance with §63.1955(c) during the reporting period to in a manner consistent with safety and good air pollution control practices to minimize emissions and downtime. All collected gases were vented to a control system design and operated in compliance with §63.1959(b)(2)(iii). In the event of collection or control system downtime the gas mover system is shut down and all valves in the collection and control system contributing to the venting of gas to the atmosphere are closed within 1 hour of the collection or control system not operating. Efforts to repair the collection or control system are initiated and completed pursuant to the work practice standards of Section 112(h) of the Clean Air Act such that downtime is kept to a minimum, and the collection and control system is returned to operation.

Collection System Downtime Events

Shutdown	Startup	Duration (hours)	Reason
2/23/23 0:30	2/23/23 12:05	11.58	Condensate Sumps Backed Up
3/18/23 12:10	3/18/23 17:36	5.43	Condensate Sump 4 Pump Failure
3/20/2023 6:50	3/20/2023 12:45	5.92	Sump Surging
3/22/2023 7:24	3/22/2023 20:16	12.87	Shut Down to Clean Sump
4/11/2023 15:00	4/11/2023 16:28	1.47	Combustion Air Blower Filters
5/13/2023 9:38	5/13/2023 11:42	2.07	Blown Fuse Fl 3 CAB VFD
5/17/23 1:36	5/17/23 8:10	6.57	Power Outage
5/18/2023 8:26	5/18/2023 13:20	4.90	Manual Shut Down for Maintenance
6/5/2023 23:30	6/6/2023 8:50	9.33	Coupling Failed on H2S Vessel
6/22/2023 4:20	6/22/2023 17:15	12.92	Manual Shut Down for Maintenance

1.5 Surface Emissions Monitoring §63.1981(h)(5)

§63.1981(h)(5) The location of each exceedance of the 500-ppm methane concentration as provided in §63.1958(d) and the concentration recorded at each location for which an exceedance was recorded in the previous month. Beginning no later than September 27, 2021, for location, you record the latitude and longitude coordinates of each exceedance using an

instrument with an accuracy of at least 4 meters. The coordinates must be in decimal degrees with at least five decimal places.

Surface emissions monitoring was completed in compliance with §63.1960(c) during the reporting period. Monitoring included the perimeter of the landfill, the serpentine path with a 30-meter spacing, penetration and openings monitoring and per Method 21 requirements areas where visual observations indicate possible elevated concentrations of landfill gas, such as distressed vegetation and cracks or seeps in the cover are monitored.

Monitoring for the First Quarter 2023 was completed during the reporting period. There were fifty (50) locations with recorded methane concentrations greater than 500 ppm as methane. All locations were remediated within §63.1960(c)(4) timelines. Applicable monitoring data, including the location information plus initial and final remediated methane concentrations are presented in Appendix B.

Monitoring for the Second Quarter 2023 was also completed during the reporting period. There were one-hundred and seven (107) locations with recorded methane concentrations greater than 500 ppm as methane. All locations were remediated within §63.1960(c)(4) timelines. Applicable monitoring data, including the location information plus initial and final remediated methane concentrations are presented in Appendix B.

1.6 System Expansion §63.1981(h)(6)

§63.1981(h)(6) The date of installation and the location of each well or collection system expansion added pursuant to §63.1960(a)(3) and (4), (b), and (c)(4).

SVLRC complied with the requirements of §63.1960(a)(3) and (4), (b), and (c)(4).

SVLRC continually looks for ways to optimize the collection system and additional wells or collectors are installed on an as needed basis maintain collection efficiency. The following table summarizes the locations of the wells added to the collection system during the reporting period. Locations of the wells are shown on the GCCS Map included in Appendix A.

Wellfield Expansions to Comply with §63.1960(a)(3) (Pressure Exceedances)

Well ID	Startup Date
N/A, no expansions were required to correct pressure exceedances	

Wellfield Expansions to Comply with §63.1960(a)(4) (Temperature Exceedances)

Well ID	Startup Date
N/A, no expansions were required to correct temperature exceedances	

Wellfield Expansions to Comply with §63.1960(b) (Collection System Coverage)

Well ID	Startup Date
2123A, 2124A, 2125A, 2126A, 2127A, 2128A, 2129A	4/18/23
2213, 2217	5/4/23
2211	5/2/23
2212, 2214, 2218	5/10/23
2216	6/26/23

Wellfield Expansions to Comply with §63.1960(c)(4) (Surface Emissions)

Well ID	Startup Date
N/A, no expansions were required to correct surface emissions exceedances	

1.7 Root Cause / Corrective Action Analyses §40 CFR 63.1981(h)(7)

§63.1981(h)(7) For any corrective action analysis for which corrective actions are required in §63.1960(a)(3)(i) or (a)(5) and that take more than 60 days to correct the exceedance, the root cause analysis conducted, including a description of the recommended corrective action(s), the date for corrective action(s) already completed following the positive pressure or high temperature reading, and, for action(s) not already completed, a schedule for implementation, including proposed commencement and completion dates.

SVLRC complied with the requirements of §63.1960(a)(3)(i) and (a)(5). No root cause or corrective action analyses were required during the reporting period. During the reporting period all wells with positive pressures or temperatures greater than 145°F (or applicable HOV) were corrected within 0 to 60 days.

1.8 Enhanced Monitoring §40 CFR 63.1981(h)(8)

§63.1981(h)(8) Each owner or operator required to conduct enhanced monitoring in §63.1961(a)(5) and (6) must include the results of all monitoring activities conducted during the period.

(i) For each monitoring point, report the date, time, and well identifier along with the value and units of measure for oxygen, temperature (wellhead and downwell), methane, and carbon monoxide.

(ii) Include a summary trend analysis for each well subject to the enhanced monitoring requirements to chart the weekly readings over time for oxygen, wellhead temperature, methane, and weekly or monthly readings over time, as applicable for carbon monoxide.

(iii) Include the date, time, staff person name, and description of findings for each visual observation for subsurface oxidation event.

1.8.1 Enhanced Monitoring for Wellhead Temperature Exceedances §63.1961(a)(5)

The enhanced monitoring requirements of §63.1961(a)(5) for temperature exceedances were not applicable during the reporting period.

1.8.2 Summary Trend Analyses for Wells Subject to Enhanced Monitoring Requirements

No wells were subject to the enhanced monitoring requirements of §63.1961(a)(5) during the reporting period.

1.8.3 Visual Observations for Wells to Enhanced Monitoring Requirements

No wells were subject to the enhanced monitoring requirements of §63.1961(a)(5) during the reporting period.

1.9 Enclosed Combustor Monitoring §63.1983(c)

§63.1983(c) Except as provided in §63.1981(d)(2), each owner or operator of a controlled landfill subject to the provisions of this subpart must keep for 5 years up-to-date, readily accessible continuous records of the equipment operating parameters specified to be monitored in §63.1961 as well as up-to-date, readily accessible records for periods of operation during which the parameter boundaries established during the most recent performance test are exceeded.

(1) The following constitute exceedances that must be recorded and reported under §63.1981(h):

(i) For enclosed combustors except for boilers and process heaters with design heat input capacity of 44 megawatts (150 million Btu per hour) or greater, all

3-hour periods of operation during which the average temperature was more than 28 degrees Celsius (82 degrees Fahrenheit) below the average combustion temperature during the most recent performance test at which compliance with §63.1959(b)(2)(iii) was determined.

(ii) For boilers or process heaters, whenever there is a change in the location at which the vent stream is introduced into the flame zone as required under paragraph (b)(3) of this section.

The SVLRC operated in compliance with all enclosed combustor monitoring standards listed in §63.1983(c) during the reporting period. There were no reportable exceedances under §63.1983(c)(1)(i).

SVLRC operates two enclosed combustors in accordance with the Part 70 Title V Permit No. 01395 and the Temporary Permit to Operate (TPTO) No. 1395-351, issued by the Ventura County Air Pollution Control District (VCAPCD). As required, the enclosed combustors are equipped with thermocouple(s) that serve as the temperature monitoring device(s). The thermocouples send temperature monitoring data to the digital data recorder. Temperature data is continuously monitored and recorded at least once every 15 minutes.

The enclosed combustors are equipped with flow meters which monitor flow to the enclosed combustors. The flow meters send the data to the digital data recorder, which must record flow rate at least once every 15 minutes.

The enclosed flares are subject to a minimum operating temperature of 28°C (50°F) below the average combustion temperature during the most recent source test (3-hr block averages). The following thresholds apply to the enclosed flares during the reporting period:

Applicable 3-hr Block Average Temperature Limits

Flare No. 3

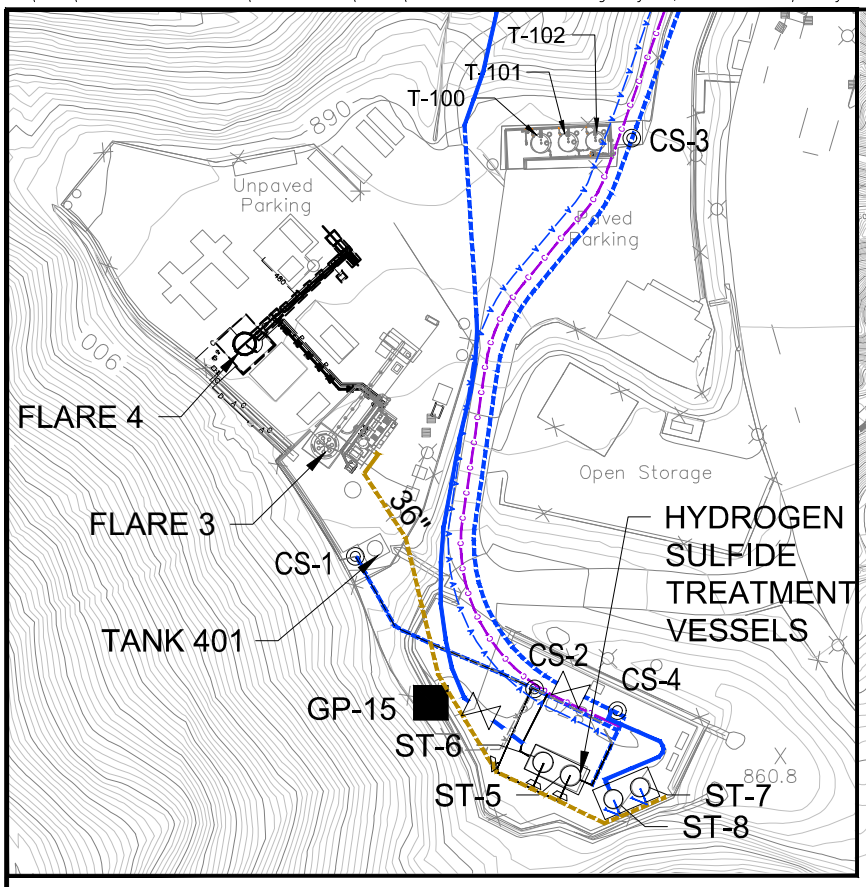
Parameter	June 29, 2021 Source Test Report
Avg. Test Temperature	1,554 °F
3-hr Min Combustion Temperature	1,504°F

Flare No. 4

Parameter	June 30, 2022 Source Test Report
Avg. Test Temperature	1,550 °F
3-hr Min Combustion Temperature	1,500°F

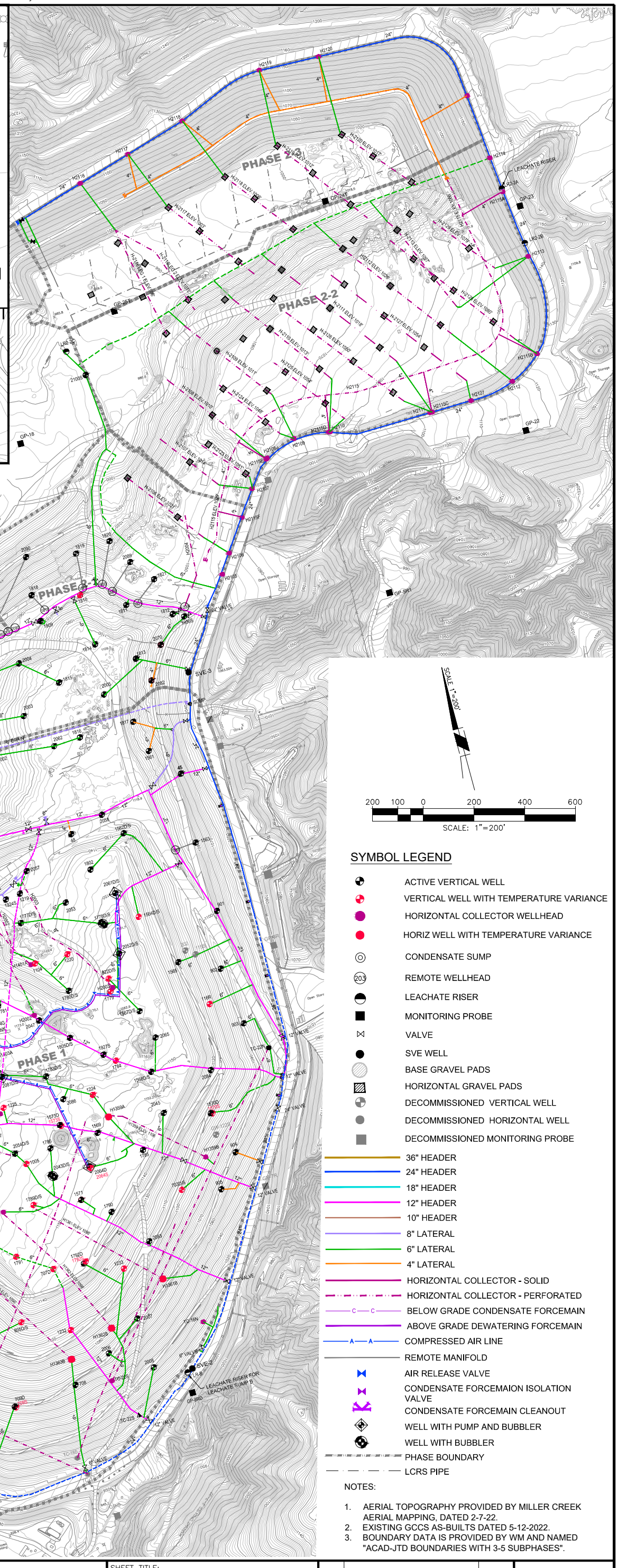
Appendix A

GCCS MAP



ENLARGED FLARE AREA LAYOUT

SCALE: 1"=60'



SYMBOL LEGEND

- ACTIVE VERTICAL WELL
- VERTICAL WELL WITH TEMPERATURE VARIANCE
- HORIZONTAL COLLECTOR WELLHEAD
- HORIZ WELL WITH TEMPERATURE VARIANCE
- CONDENSATE SUMP
- REMOTE WELLHEAD
- LEACHATE RISER
- MONITORING PROBE
- VALVE
- SVE WELL
- BASE GRAVEL PADS
- HORIZONTAL GRAVEL PADS
- DECOMMISSIONED VERTICAL WELL
- DECOMMISSIONED HORIZONTAL WELL
- DECOMMISSIONED MONITORING PROBE
- 36" HEADER
- 24" HEADER
- 18" HEADER
- 12" HEADER
- 10" HEADER
- 8" LATERAL
- 6" LATERAL
- 4" LATERAL
- HORIZONTAL COLLECTOR - SOLID
- HORIZONTAL COLLECTOR - PERFORATED
- BELOW GRADE CONDENSATE FORCEMAIN
- ABOVE GRADE DEWATERING FORCEMAIN
- COMPRESSED AIR LINE
- REMOTE MANIFOLD
- AIR RELEASE VALVE
- CONDENSATE FORCEMAION ISOLATION VALVE
- CONDENSATE FORCEMAIN CLEANOUT
- WELL WITH PUMP AND BUBBLER
- WELL WITH BUBBLER
- PHASE BOUNDARY
- LCRS PIPE

NOTES:

1. AERIAL TOPOGRAPHY PROVIDED BY MILLER CREEK AERIAL MAPPING, DATED 2-7-22.
2. EXISTING GCCS AS-BUILTS DATED 5-12-2022.
3. BOUNDARY DATA IS PROVIDED BY WM AND NAMED "ACAD-JTD BOUNDARIES WITH 3-5 SUBPHASES".

DRAWING NO. 2 of 3

SCALE: AS SHOWN

DATE: 05-25-2022

SCS ENGINEERS
ENVIRONMENTAL CONSULTANTS
3900 KILROY AIRPORT WAY, SUITE 100
LONG BEACH, CA 90806
PH. (562) 426-9544 FAX. (562) 427-0805

PROJ. NO.	DWN. BY:	ACAD FILE:
DSN. BY:	CHK. BY:	APP. BY:

CLIENT: WASTE MANAGEMENT

SHEET TITLE: GCCS AND DEWATER LAYOUT

PROJECT TITLE:
SIMI VALLEY LANDFILL AND RECYCLING CENTER
2801 MADERA ROAD
SIMI VALLEY, CALIFORNIA 93065

NO.	REVISION	DATE

Appendix B

SEM DATA

WASTE MANAGEMENT

8491 Fruitridge Road
Sacramento, CA 95826
(510) 714-6098

May 1, 2023

Mr. Mark Grady
2801 Madera Road
Simi Valley, California 93065

First Quarter 2023 Surface Emissions and Component Leak Monitoring Report for the Simi Valley Landfill and Recycling Center

Dear Mr. Grady:

This monitoring report for the **"Simi Valley Landfill and Recycling Center (SVLRC)"** contains the results of the First Quarter 2023 Integrated and Instantaneous Surface Emissions Monitoring (SEM) and Component Leak Monitoring. Initial surface emissions monitoring was performed by Roberts Environmental Services, LLC. (RES). Re-monitoring of site-wide surface emissions and component leak monitoring was also conducted by RES personnel.

APPLICABLE REQUIREMENTS

The monitoring discussed in this report was conducted in accordance with the following requirements:

Surface Emission Monitoring (SEM)

- California Code of Regulations (CCR) Title 17, Subchapter 10, Article 4, Subarticle 6, §95460 to §95476, known as the Assembly Bill 32 (AB32) landfill methane rule (LMR).

- New Source Performance Standard (NSPS), Title 40 of the Code of Federal Regulations (CFR) §60.755 (c) and (d), 40 CFR 60, Appendix A Method 21; and updated Title 40 CFR part 63, Subpart AAAA (63.1960), promulgated by the United States Environmental Protection Agency (USEPA).

- Ventura County Air Pollution Control District (VCAPCD) Rule 74.17.1 (Municipal Solid Waste Landfills)

Component Leak

- California Code of Regulations (CCR) Title 17, Subchapter 10, Article 4, Subarticle 6, §95460 to §95476, known as the Assembly Bill 32 (AB32) landfill methane rule (LMR).

SVLRC Plan and Alternative Compliance Measures

An Alternative Compliance Option (ACO) Request was submitted to the California Air Resources Board (CARB) on May 24, 2011. A response from the CARB was not received to the ACO Request within 120 days from the date of submittal, therefore SVLRC assumes that the alternative compliance measures, monitoring requirements, and test measures and procedures were deemed acceptable as of September 21, 2011, per CCR Title 17 §95468(c).

All monitoring and reporting was completed in accordance with the 2011 SVLRC AB-32 SEM Plan.

PROCEDURES

General

The surface of the SVLRC disposal area has been divided into one-hundred eighty-five (185), (approximately) 50,000 square foot monitoring grids. The entire landfill surface is monitored with the exception of active portions of the Landfill, slope areas, and as requested in the approved ACO, areas containing only asbestos-containing waste, inert waste and/or non-decomposable waste which are excluded for safety as allowed by CCR Title 17 §95466.

Field personnel walked the surface of the landfill following the walking pattern as depicted the 2011 SVLRC AB-32 SEM Plan, which traverses each monitoring grid. Additionally, in accordance with the provisions of 40 CFR 60.753(d) and 60.755(c)(1-3) and 63.1960, the entire perimeter of the landfill surface was monitored. During the event, special attention was given to monitoring unusual cover conditions (stressed vegetation, cracks, seeps, etc.) and any areas with unusual odors. In addition, penetrations were monitoring per Title 40 CFR part 63, Subpart AAAA (63.1960).

Instantaneous Surface Emissions Monitoring

The Instantaneous SEM was conducted using a Toxic Vapor Analyzer (TVA) 1000 flame ionization detector (FID), which was calibrated to 500 parts per million by volume (ppmv) methane, which meets or exceeds all guidelines set forth in the CCR Title 17 §95471(a). The FID was calibrated prior to use in accordance with the United States Environmental Protection Agency (USEPA) Method 21 requirements. The Instantaneous SEM procedures followed the requirements of 40 CFR 60.755 (c) and (d), CCR Title 17 §95471(c)(2), VCAPCD Rule 74.1.7, and 40 CFR part 63, Subpart AAAA 63.1960.

RES personnel walked the surface of the landfill on a grid-by-grid basis with the wand tip held at 3 inches from the landfill surface. While sampling the grid, the technicians also checked any surface impoundments (wells or otherwise) for leaks. Technicians also checked any surface cracks, seeps, or other areas that show evidence of surface emissions (odors or distressed vegetation). Active and sloped areas excluded for safety were documented on field data sheets and maps.

All instantaneous surface monitoring was performed in accordance with the applicable requirements referenced in this report. Any detections of methane above 200 ppmv (areas of concern) or 500 ppmv (exceedances) for instantaneous were recorded, flagged, and marked on an SEM Map, which, wherever required, is included in the Attachments of this report. Applicable corrective action and re-monitoring timelines are listed below:

- Re-monitoring shall be conducted within 10 days of the initial exceedance.
    - If the re-monitoring event shows the exceedance is corrected, the location shall be re-monitored within 1 month of the initial exceedance.
    - If the 1-month re-monitoring event shows the location is still corrected, all re-monitoring requirements have been completed.
- If either the first 10-day or 1-month re-monitoring events show a second exceedance, additional corrective actions shall be completed and a second re-monitoring event shall be conducted within 10 days of the second exceedance.
- If the second 10-day re-monitoring event shows the second exceedance is corrected, the location shall be re-monitored within 1 month of the initial exceedance. If the 1-month re-monitoring event shows the area is still corrected, monitoring requirements have been completed.
- If any location shows three exceedances, an additional well shall be installed within 120 days of the initial exceedance.

Integrated Surface Emissions Monitoring

The Integrated surface monitoring was conducted using a TVA 1000 calibrated to 25 ppmv for the integrated monitoring, which meets or exceeds all guidelines set forth in the CCR Title 17 §95471(a). The field technician traversed the grid walking path over a continuous 25-minute period using the TVA 1000 held at 3 inches above the landfill surface. The Integrated monitoring procedures followed the requirements of CCR Title 17 §95471(c)(2).

Grids with results greater than 25 ppmv were recorded, marked on the SEM map, and flagged for remediation. Any grids with integrated concentrations greater than 25 ppmv are subject to the following corrective action and re-monitoring timeline:

- Re-monitoring shall be conducted within 10 days of the initial exceedance.
- If the 10-day re-monitoring event shows the exceedance is corrected, all re-monitoring requirements have been completed.

- If either the first 10-day re-monitoring event shows a second grid exceedance, additional corrective actions shall be completed and a second re-monitoring event shall be conducted within 10 days of the second exceedance.

- If the second 10-day re-monitoring event shows the second exceedance is corrected, all re-monitoring requirements have been completed.

- If the second 10-day re-monitoring event shows a third grid exceedance, an additional well shall be installed within 120 days of the initial exceedance.

Component Leak Monitoring Procedures

RES personnel monitored the exposed LFG components under positive pressure (pipes, wellheads, valves, blowers, and other mechanical appurtenances) using a TVA 1000 calibrated to 500 ppmv. All leaks measured one half inch or less from the component exceeding the compliance limit of 500 ppmv per requirements outlined in pursuant to CARB Title 17 of California Code of Regulations Subchapter 10, Article 4, Subarticle 6, Section 95464(b)(1)(B) were recorded. Applicable corrective action and re-monitoring timelines are listed below:

- Leaks at or above 500 ppmv must be corrected and re-monitored within 10 days of the initial exceedance.

FIRST QUARTER SEM AND COMPONENT LEAK RESULTS

The following is a summary of the SEM and Component leak monitoring results completed during the First Quarter 2023.

Instantaneous Surface Emission Monitoring Results

The Instantaneous surface monitoring was performed on March 7, 13, 16, 17, 23, 25 and 31, 2023 in accordance with the NSPS NESHAP, Rule 74.1.17, CCR Title 17 §95469 and ACO. Results and data from the monitoring are presented in Attachment A.

Initial Monitoring Event Exceedances of 500 ppmv

There were fifty (50) exceedances of 500 ppmv as methane detected during the initial monitoring events conducted on March 7, 13, 16, 17, 23, 25 and 31, 2023. RES personnel remediated the locations, and the following re-monitoring was conducted as described below.

First Ten-Day Re-Monitoring Results

RES personnel performed the first ten-day re-monitoring events on March 17, 23, 25, and April 3, 5 (pushed back due to filling activities in the wet deck) and 10, 2023. No exceedances were observed during the first ten-day re-monitoring events.

Thirty-Day Re-Monitoring Results

RES personnel performed the thirty-day monitoring events on April 5, 12, 18 (pushed back due to filling activities in the wet deck), 21 and 27, 2023. No exceedances were observed during the thirty-day re-monitoring events.

Readings between 200 ppmv and 499 ppmv (Initial and Re-monitored)

There were fifty (50) readings between 200 ppmv and 499 ppmv, measured as methane detected during the initial monitoring events on March 13, 16, 17 and 18, 23, 25 and 31, 2023, respectively. Pursuant to CCR Title 17 §95471(c), instantaneous surface emissions exceeding 200 ppmv but below 500 ppmv are required to be recorded. As a best management practice, if these readings occur, SVLRC voluntarily addresses these locations by remediating and re-monitoring all those within this range, during the 10-day re-checks. Therefore, SVLRC and RES personnel performed ten-day re-checks on March 23, 25, 31 and April 3 and 10, 2023, respectively, and the fifty (50) readings were below 200 ppmv. The goal of this is effort is to reduce any future exceedances to improve and reduce overall odors/emissions. Results, if applicable, are summarized in Attachment A.

Integrated Surface Emissions Monitoring Results

The Integrated surface sampling (ISS) was performed on March 23, 24, 25 and 31, 2023, in accordance with the ACO, requirements outlined in CCR Title 17 §95469, and VCAPCD Rule 74.1.17. See Attachment B for details.

Initial Monitoring Event Exceedances of 25 ppmv

There were five (5) grids with an exceedance above 25 ppmv as methane detected during the initial monitoring events conducted on March 23, 24 and 25, 2023. SVLRC personnel remediated the locations, and the following re-monitoring was conducted as described below.

Ten-Day Re-Monitoring Results

RES personnel performed the ten-day re-monitoring events on March 31 and April 1, 2023. No exceedances were observed during the ten-day re-monitoring events.

The average methane concentration of each grid was recorded during the monitoring event per applicable requirements. See Attachment B for details.

Component Leak Monitoring Results

Component leak monitoring was conducted per the applicable requirements on March 17, 2023. There were zero (0) locations with a component leak detection of greater than 500 ppmv. See Attachment C for details.

WEATHER CONDITIONS

Wind Speed Conductions during the Surface Emission Monitoring Events

Wind speeds during initial monitoring were monitored using a portable weather station. The station has a strip chart that records the wind speed and direction. After completion of monitoring, the strip chart is reviewed by RES office staff to determine the average and maximum wind speeds during the monitoring and the average wind direction during each grid and ensure that the wind speed requirements are met (no gusts greater than 20 mph, average wind speed cannot exceed 10 mph). These values are documented in the field data sheets. The chart data is scanned and included in Attachment D.

Precipitation Requirements

Per the SVLRC's ACO, the initial monitoring event was carefully scheduled so that it could be conducted in compliance with the precipitation requirements (no measurable precipitation within 24 hours). Re-monitoring events are required to adhere to strict timelines. Any conflicts with precipitation requirements are discussed in the results section of this document.

EQUIPMENT CALIBRATION

The portable analyzers were calibrated to meet the instrument specifications requirements of U.S. EPA Method 21. The calibration gas used was methane, diluted to a nominal concentration of 25 ppmv in air for integrated sample analyses and 500 ppmv in air for instantaneous monitoring to comply with the requirements.

All analyzers were calibrated prior to use with required response time and precision related instrument checks. Calibration records include the following: One time response time test record; One time response factor determination for methane; Calibration Precision test records (test to be performed every 3 months); and Daily Instrument Calibration and Background test records for each gas meter that was used during the quarterly monitoring event. The calibration log records are included in Attachment E.

All monitoring was completed in accordance with the applicable regulatory requirements or approved alternatives. If you have any questions regarding this report, please do not hesitate to contact the undersigned at (510) 714-6098.

Thank you,
Waste Management

Collin Pavelchik
Environmental Protection Air Quality Specialist

Attachment A – Instantaneous Surface Emission Monitoring Event Records

- Monitoring Logs and Exceedances
- Surface Monitoring Weather Data
- SEM Map

Attachment B – Integrated Surface Emission Monitoring Event Records

- Monitoring Logs and Exceedances
- Surface Monitoring Weather Data
- SEM Map

Attachment C – Component Leak Monitoring Event Records

- Component Leak Exceedances and Monitoring Logs

Attachment D – Weather Station Data

- Strip Chart Data and Legend

Attachment E – Calibration Records

- Instrument and Gas Calibration Records

Attachment A

Instantaneous Surface Emission Monitoring Event Records

SIMI VALLEY LANDFILL
INSTANTANEOUS LANDFILL SURFACE MONITORING

Personnel: J. Medina, G. Lopez, K. Wallen, G. Robles

Cal. Gas Exp. Date: 3/25

Date: 3-13-23 Instrument Used: FASPECTRA Grid Spacing: 25FT

Temperature: 49° Precip: 0 Upwind BG: 1.5 Downwind BG: 2.5

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM	WIND INFORMATION			REMARKS
					AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
106	JM	0737	0752	69.90	3	4	14	
107	JM	0756	0811	84.50	2	3	14	
89	JM	0815	0826	24.50	3	5	14	
67	JM	0832	0845	22.00	3	5	11	
68	JM	0848	0903	33.50	4	6	10	
88	JM	0915	0926	3.60	4	5	10	
108	JM	0930	0944	80.40	6	7	11	Puddles
109	JM	0946	0956	12.90	5	7	11	vegetation
87	JM	1004	1014	7.20	5	6	11	Half Grid vegetation
69	JM	1020	1035	42.50	5	7	11	
40	JM	1050	1105	11.90	5	7	10	
39	JM	1108	1123	3.80	5	7	10	
93	KW	0733	0820	32.00	3	5	14	
63	KW	0822	0843	126.50	3	5	11	
64	KW	0845	0901	6.90	4	6	10	
92	KW	0903	0934	7.70	4	5	10	
104	KW	0935	0949	134.20	6	7	11	
105	KW	0952	0958	11.00	5	7	11	
91	KW	1006	1028	7.40	5	7	11	
65	KW	1034	1057	8.20	5	7	10	
66	KW	1058	1123	32.50	5	7	10	
110	GR	0914	0929	429.00	4	5	10	
86	GR	0936	0946	16.30	6	7	11	Stockpile
70	GR	0951	1003	8.30	5	7	11	Mulch
71	GR	1006	1020	25.10	5	7	11	
85	GR	1025	1032	5.10	5	7	11	obstruction
111	GR	1037	1051	475.20	5	7	10	
112	GL	0919	0928	559.70	4	5	10	Active TRASH
84	GL	0937	0951	20.10	5	7	11	muddy
72	GL	1000	1037	27.10	5	7	11	muddy Puddle

Attach Calibration Sheet
Attach site map showing grid ID

SIMI VALLEY LANDFILL
INSTANTANEOUS LANDFILL SURFACE MONITORING

Personnel: J. medina, G. Lopez, K. WALLEN, G. ROBLES

Cal. Gas Exp. Date: 3/25

Date: 3-13-23 Instrument Used: INSPECTOR Grid Spacing: 25FT

Temperature: 49° Precip: _____ Upwind BG: _____ Downwind BG: _____

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM	WIND INFORMATION			REMARKS
					AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
35	GL	1044	1100	9.30	5	7	10	muddy puddle

Attach Calibration Sheet
Attach site map showing grid ID

SIMI VALLEY LANDFILL
INSTANTANEOUS LANDFILL SURFACE MONITORING

Personnel: T. Carson, J. Medina, K. Wallen

Cal. Gas Exp. Date: 3/25

Date: 3-17-23 Instrument Used: Inspector 2 Grid Spacing: 25'

Temperature: 41° Precip: 0 Upwind BG: 1.3 Downwind BG: 2.6

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM	WIND INFORMATION			REMARKS
					AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
1	TC	0808	0823	27.30	4	6	15	
2	TC	0825	0840	58.40	3	5	15	Veg
3	TC	0842	0857	4.20	3	4	16	Veg
4	TC	0855	0913	2.60	4	5	16	Veg
5	TC	0914	0929	2.00	3	4	16	
6	TC	0930	0945	2.20	3	4	16	Veg
7	TC	0946	1001	2.50	3	5	15	
8	TC	1002	1017	9.80	4	6	15	Veg
9	TC	1018	1033	6.40	3	5	15	Veg
10	TC	1034	1049	77.20	2	3	16	Veg
11	TC	1050	1055	32.30	3	5	16	Veg
12	TC	1056	1101	75.20	3	5	16	Veg
13	TC	1106	1113	165.40	3	5	16	Veg
14	TC	1114	1124	103.40	5	7	16	Veg
26	JM	0718	0732	257.10	5	7	15	Vegetation
25	JM	0738	0753	112.90	4	7	15	Veg
24	JM	0800	0815	310.20	4	6	15	
33	JM	0822	0836	10.90	3	5	14	
34	JM	0839	0854	37.00	3	4	16	
23	JM	0858	0913	193.60	4	5	16	
22	JM	0917	0932	88.90	3	4	16	
21	JM	0936	0949	296.30	3	4	16	
20	JM	1002	1017	63.50	4	6	15	
36	JM	1025	1040	21.60	3	5	16	
37	JM	1043	1057	15.00	3	5	16	
19	JM	1100	1115	754.20	3	5	16	
79	KW	0741	0803	3,152.40	4	6	15	
78	KW	0808	0825	715.40	4	6	15	
80	KW	0824	0841	830.10	3	5	15	TRAFFIC
77	KW	0842	0856	836.60	3	4	16	Veg

Attach Calibration Sheet
Attach site map showing grid ID

SIMI VALLEY LANDFILL
INSTANTANEOUS LANDFILL SURFACE MONITORING

Personnel: T. Carson, J. Medina, K. Wallen

Cal. Gas Exp. Date: 3/25

Date: 3-17-23 Instrument Used: Infrared Grid Spacing: 25'

Temperature: 41° Precip: Ø Upwind BG: _____ Downwind BG: _____

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM	WIND INFORMATION			REMARKS
					AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
76	KW	0859	0913	11,789.30	4	5	16	Veg
75	KW	0915	0931	669.30	3	4	16	
32	KW	0932	0946	71.10	3	4	16	Veg
31	KW	0950	1000	45.40	3	5	15	
30	KW	1003	1013	204.80	4	4	15	Traffic
29	KW	1016	1030	7,679.90	3	5	15	Veg
28	KW	1033	1047	10.20	2	3	16	Veg
27	KW	1047	1100	60.00	3	5	16	

Attach Calibration Sheet
Attach site map showing grid ID

Page 2 of 2

SIMI VALLEY LANDFILL
INSTANTANEOUS LANDFILL SURFACE MONITORING

Personnel: K. WALLEN
T. CARSON
J. Medina
Cal. Gas Exp. Date: 3/25

Date: 3-18-23 Instrument Used: Inspectra Grid Spacing: 25FT

Temperature: 57° Precip: 0 Upwind BG: 1.5 Downwind BG: 2.6

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM	WIND INFORMATION			REMARKS
					AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
54	KW	0720	0736	11.20	2	5	12	Vege
53	KW	0740	0749	13.80	2	4	14	Vege
52	KW	0750	0809	41.00	3	4	14	Vege
51	KW	0810	0821	275.20	5	7	14	
50	KW	0915	0926	158.10	1	3	2	Veg
49	KW	0928	0938	70.70	3	5	14	Veg
48	KW	0940	0947	15.00	3	5	15	Veg
58	KW	0952	0958	11.40	5	6	16	3/4 Grid in Veg Cover Rest
59	KW	1006	1017	33.90	4	5	15	Veg
60	KW	1020	1026	21.90	4	5	16	Veg
61	KW	1028	1037	15.90	3	4	15	Veg
62	KW	1039	1045	74.40	5	6	16	Veg
90	KW	1124	1138	29.30	5	6	2	Dirt Stock Pile/Concrete
83	TC	1113	1131	236.30	4	5	2	
82	TC	1146	1159	230.40	3	4	16	Veg
81	TC	1200	1210	218.90	2	3	14	Veg
18	JM	0742	0752	84.60	2	4	14	Veg

Attach Calibration Sheet
Attach site map showing grid ID

SIMI VALLEY LANDFILL
INSTANTANEOUS LANDFILL SURFACE MONITORING

Personnel: K. Wallen _____ _____
T. Carsew _____ _____
J. medina _____ Cal. Gas Exp. Date: 3/25

Date: 3-18-23 Instrument Used: Inspectra Grid Spacing: 25FT

Temperature: 57° Precip: 0 Upwind BG: _____ Downwind BG: _____

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM	WIND INFORMATION			REMARKS
					AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
38	JM	0800	0815	7.80	4	6	14	
17	JM	0820	0832	8.30	3	4	14	
16	JM	0836	0842	24.50	2	4	2	
15	JM	0848	0853	24.90	3	3	2	
41	JM	0908	0923	30.70	0	1	2	
42	JM	0925	0936	8.80	3	4	14	
43	JM	0945	0957	4.47	4	6	14	
44	JM	0959	1004	3.81	4	5	16	
45	JM	1006	1020	7.30	4	5	16	
46	JM	1028	1031	9.96	4	5	15	
47	JM	1038	1041	15.20	3	4	16	
73	JM	1122	1137	4.55	5	6	2	
74	JM	1141	1156	31.30	3	4	16	

Attach Calibration Sheet
Attach site map showing grid ID

SIMI VALLEY LANDFILL
INSTANTANEOUS LANDFILL SURFACE MONITORING

Personnel: MioRuG

Cal. Gas Exp. Date: 3/25

Date: 3-23-23 Instrument Used: INSPECTRA Grid Spacing: 25'

Temperature: 48° Precip: 0 Upwind BG: 1.3 Downwind BG: 2.6

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM	WIND INFORMATION			REMARKS
					AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
115	MO	1207	1216	150.10	4	7	9	STEEP Slopes
143	MO	1223	1227	85.50	4	6	8	Road Construction / Exposed Trash
144	MO	1229	1233	50.20	5	7	9	Road Construction / Heavy Equipment
145	MO	1234	1241	93.60	4	6	8	↓
103	MO	1255	1310	55.90	5	7	7	Veg.

Attach Calibration Sheet
Attach site map showing grid ID

SIMI VALLEY LANDFILL
INSTANTANEOUS LANDFILL SURFACE MONITORING

Personnel: G. ROBLES, N. JAMERSON, T. CARSON, L. Betancourt, K. WALLEN, A. LOPEZ

Cal. Gas Exp. Date: 3/25

Date: 3-25-23 Instrument Used: INSPECTOR Grid Spacing: 25'

Temperature: 50° Precip: 0 Upwind BG: 1.5 Downwind BG: 2.4

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM	WIND INFORMATION			REMARKS
					AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
188	GR	0837	0850	563.90	0	0	6	
183	GR	0851	0905	1,728.40	1	2	5	OBSTRUCTION
182	GR	0907	0915	21.30	2	2	4	OBSTRUCTION
189	GR	0822	0833	118.60	1	3	14	MULCH
190	GR	0806	0821	56.70	4	6	13	STOCKPILE
181	GR	0917	0928	24.00	2	2	6	MUDDY
169	TC	0754	0800	49.40	4	6	12	ACTIVE / SLOPE
170	TC	0802	0807	61.10	3	5	13	ACTIVE
171	TC	0809	0817	185.10	4	6	13	ACTIVE
200	TC	0823	0831	42.00	1	3	14	ACTIVE
199	TC	0832	0838	47.50	2	3	6	ACTIVE
172	TC	0842	0857	77.90	0	0	6	
175	KW	0903	0919	16.70	2	2	4	HEAVY EQUIPMENT
174	KW	0920	0933	41.60	2	2	6	LINER
197	KW	0935	0953	60.40	2	2	2	LINER
198	KW	0956	1009	297.70	2	3	2	LINER
173	KW	1011	1028	229.30	1	2	2	MUDDY
193	NJ	0831	0836	131.10	2	3	6	MUDDY
192	NJ	0839	0846	12.60	0	1	6	ACTIVE / MUDDY
180	NJ	0850	0900	17.30	1	2	6	ACTIVE / MUDDY
191	NJ	0900	0910	28.90	1	2	4	MUDDY
167	LB	0750	0805	11.60	4	6	12	MUDDY
162	LB	0805	0820	11.60	4	6	13	MUDDY
160	LB	0820	0835	11.80	1	3	14	MUDDY
159	LB	0835	0850	12.30	0	0	6	LINER
161	LB	0850	0905	12.20	1	2	5	LINER
176	AL	0752	0807	3,209.40	3	5	13	MUDDY
196	AL	0815	0830	803.90	1	3	14	MUDDY
195	AL	0831	0846	224.00	0	1	6	TRASH
194	AL	0849	0906	10,734.70	1	2	5	TRASH

Attach Calibration Sheet
Attach site map showing grid ID

SIMI VALLEY LANDFILL
INSTANTANEOUS LANDFILL SURFACE MONITORING

Personnel: G. ROBLES, N. JAMERSON, G. LOPEZ, T. CARSON, L. BETANCOURT, K. WALLEN, A. LOPEZ

Cal. Gas Exp. Date: 3/25

Date: 3-25-23 Instrument Used: INSPECTOR 4 Grid Spacing: 25'

Temperature: 50° Precip: 0 Upwind BG: _____ Downwind BG: _____

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM	WIND INFORMATION			REMARKS
					AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
177	AL	0907	0914	25.20	2	2	4	muddy/liner
184	GL	0819	0824	372.30	3	5	14	
187	GL	0848	0857	25.90	0	0	4	
186	GL	0900	0912	29.00	1	2	4	
185	GL	0914	0930	86.30	2	2	6	
148	GL	0937	0945	61.30	2	3	2	
149	GL	0950	1002	216.70	1	2	2	
...								
...								

Attach Calibration Sheet
Attach site map showing grid ID

SIMI VALLEY LANDFILL
INSTANTANEOUS LANDFILL SURFACE MONITORING

Personnel: M. ORUE _____ _____ _____

_____ _____ _____

_____ _____ Cal. Gas Exp. Date: _____

Date: 3-25-23 Instrument Used: _____ Grid Spacing: _____

Temperature: _____ Precip: _____ Upwind BG: _____ Downwind BG: _____

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM	WIND INFORMATION			REMARKS
					AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
123								STEEP SLOPES/LINER
124								
125								
126								
127								
128								
129								
130								
131								
132								
133								
134								
150								
151								
152								
153								
154								
155								
156								
168								
201								
202								
203								
118								Heavy Equipment
119								
120								
114								
138								
139								
140								

Attach Calibration Sheet
Attach site map showing grid ID

SIMI VALLEY LANDFILL
INSTANTANEOUS LANDFILL SURFACE MONITORING

Personnel: MIO RUF _____ _____ _____

_____ _____ _____

_____ _____ Cal. Gas Exp. Date: _____

Date: 3-25-23 Instrument Used: _____ Grid Spacing: _____

Temperature: _____ Precip: _____ Upwind BG: _____ Downwind BG: _____

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM	WIND INFORMATION			REMARKS
					AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
141								Heavy Equipment
142								↓
116								Active TRASH
121								
122								
135								
136								
137								
157								
158								
163								
164								
165								
166								
178								
179								
117								
146								Heavy Equipment
147								↓

Attach Calibration Sheet
Attach site map showing grid ID

SIMI VALLEY LANDFILL
INSTANTANEOUS LANDFILL SURFACE MONITORING

Personnel: J. Carson, J. Medina, M. Dominguez, G. Lopez

Cal. Gas Exp. Date: 3/25

Date: 3-31-23 Instrument Used: Inspector Grid Spacing: 25FT

Temperature: 49° Precip: 0 Upwind BG: 1.2 Downwind BG: 2.6

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM	WIND INFORMATION			REMARKS
					AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
55	TC	1015	1021	2.40	3	5	1	Flooded
56	TC	1023	1030	2.60	5	7	16	Vege.
57	TC	1035	1046	4.80	5	7	16	Vege/Flooded
98	TC	1050	1055	26.60	6	8	16	
99	MD	1025	1032	2.80	6	7	16	Vege
100	MD	1033	1039	3.30	4	6	16	Vege
101	MD	1040	1047	2.50	6	7	16	Vege
102	MD	1047	1058	2.00	6	9	16	Vege
113	GL	1038	1051	150.90	6	7	16	
97	JM	1029	1043	47.90	5	7	16	Vege
96	JM	1046	1056	44.90	6	8	16	Vege
95	JM	1103	1103	24.30	5	7	15	Vege
94	JM	1112	1BZ	41.50	5	7	16	Vege

Attach Calibration Sheet
Attach site map showing grid ID

Simi VALLEY
1ST QTR 2023
PEN 606

Name	UserId	FirstReadingDateTime	LastReadingDateTime	Type	SerialNumb	ReadingTypeDetails	MaxCH4	AverageCH4
2023Q1_Penetration	RES001	03/07/2023 08:22 AM	03/07/2023 08:22 AM	InspectraBLE	1001221	SIMW709D	8098.00	2875.87
2023Q1_Penetration	RES001	03/07/2023 08:27 AM	03/07/2023 08:29 AM	InspectraBLE	1001221	SIMW09RD	2367.00	97.25
2023Q1_Penetration	RES003	03/07/2023 09:40 AM	03/07/2023 09:44 AM	InspectraBLE	1011221	SIMW2008	1893.60	57.49
2023Q1_Penetration	RES001	03/07/2023 08:23 AM	03/07/2023 08:23 AM	InspectraBLE	1001221	SIMW709S	1607.70	570.77
2023Q1_Penetration	RES001	03/07/2023 10:33 AM	03/07/2023 10:33 AM	InspectraBLE	1001221	SIMW2005	766.50	139.56
2023Q1_Penetration	RES003	03/07/2023 08:13 AM	03/07/2023 08:16 AM	InspectraBLE	1011221	SIMW0003	736.40	15.52
2023Q1_Penetration	RES005	03/07/2023 08:46 AM	03/07/2023 08:46 AM	InspectraBLE	811121	SIM1789S	687.20	153.00
2023Q1_Penetration	RES003	03/07/2023 10:57 AM	03/07/2023 10:58 AM	InspectraBLE	1011221	SIMW1561	672.90	20.58
2023Q1_Penetration	RES001	03/07/2023 11:14 AM	03/07/2023 11:15 AM	InspectraBLE	1001221	SIMW2078	278.60	51.84
2023Q1_Penetration	RES001	03/07/2023 08:14 AM	03/07/2023 08:15 AM	InspectraBLE	1001221	SIMW1015	276.10	81.47
2023Q1_Penetration	RES001	03/07/2023 09:05 AM	03/07/2023 10:51 AM	InspectraBLE	1001221	SIMW115S	259.30	18.53
2023Q1_Penetration	RES005	03/07/2023 08:49 AM	03/07/2023 08:49 AM	InspectraBLE	811121	SIM2043D	234.50	73.35
2023Q1_Penetration	RESrent3	03/16/2023 11:37 AM	03/16/2023 11:37 AM	InspectraBLE	2991022	SIH02124	198.30	140.35
2023Q1_Penetration	RES004	03/07/2023 09:32 AM	03/07/2023 09:32 AM	InspectraBLE	761121	SIMW2055	174.10	56.48
2023Q1_Penetration	RES001	03/07/2023 08:44 AM	03/07/2023 08:44 AM	InspectraBLE	1001221	SIMW2008	166.30	56.16
2023Q1_Penetration	RES004	03/07/2023 07:57 AM	03/07/2023 07:57 AM	InspectraBLE	761121	SIMW010R	153.00	55.19
2023Q1_Penetration	RES004	03/07/2023 11:16 AM	03/07/2023 11:17 AM	InspectraBLE	761121	SIMW2097	137.70	52.50
2023Q1_Penetration	RES004	03/07/2023 08:01 AM	03/07/2023 08:01 AM	InspectraBLE	761121	SIM1793D	112.60	23.48
2023Q1_Penetration	RESrent3	03/16/2023 08:10 AM	03/16/2023 08:10 AM	InspectraBLE	2991022	SIMW1101	109.50	60.54
2023Q1_Penetration	RES001	03/07/2023 11:17 AM	03/07/2023 11:17 AM	InspectraBLE	1001221	SIMW2094	104.60	64.19
2023Q1_Penetration	RES001	03/07/2023 08:33 AM	03/07/2023 08:33 AM	InspectraBLE	1001221	SIMW0708	99.30	23.78
2023Q1_Penetration	RES001	03/07/2023 08:26 AM	03/07/2023 08:26 AM	InspectraBLE	1001221	SIMWO9RS	96.40	54.16
2023Q1_Penetration	RES005	03/07/2023 07:34 AM	03/07/2023 10:44 AM	InspectraBLE	811121	SIH2115E	94.50	32.48
2023Q1_Penetration	RES001	03/07/2023 11:16 AM	03/07/2023 11:16 AM	InspectraBLE	1001221	SIMW2093	89.50	59.98
2023Q1_Penetration	RES003	03/07/2023 09:49 AM	03/07/2023 09:50 AM	InspectraBLE	1011221	SIMLR00B	85.70	21.98
2023Q1_Penetration	RES004	03/07/2023 07:34 AM	03/07/2023 07:34 AM	InspectraBLE	761121	SIMW2233	65.70	24.78
2023Q1_Penetration	RES002	03/07/2023 09:05 AM	03/07/2023 09:06 AM	InspectraBLE	881221	SIM1570D	62.70	8.19
2023Q1_Penetration	RES004	03/07/2023 07:39 AM	03/07/2023 07:39 AM	InspectraBLE	761121	SIMW2048	58.40	4.59
2023Q1_Penetration	RES004	03/07/2023 07:54 AM	03/07/2023 08:55 AM	InspectraBLE	761121	SIMW1227	57.40	11.56
2023Q1_Penetration	RES003	03/07/2023 07:58 AM	03/07/2023 07:59 AM	InspectraBLE	1011221	SIMW0818	56.70	21.52
2023Q1_Penetration	RES005	03/13/2023 09:54 AM	03/13/2023 09:55 AM	InspectraBLE	811121	SIM1780S	54.00	28.27
2023Q1_Penetration	RES004	03/07/2023 09:18 AM	03/07/2023 09:18 AM	InspectraBLE	761121	SIMW2058	52.50	10.83
2023Q1_Penetration	RES005	03/07/2023 09:50 AM	03/07/2023 09:50 AM	InspectraBLE	811121	SIMW2234	46.50	17.69
2023Q1_Penetration	RES003	03/07/2023 08:00 AM	03/07/2023 08:01 AM	InspectraBLE	1011221	SIMW0817	44.40	31.96
2023Q1_Penetration	RES005	03/07/2023 07:34 AM	03/07/2023 07:35 AM	InspectraBLE	811121	SIM1938S	44.40	20.92
2023Q1_Penetration	RES002	03/07/2023 08:23 AM	03/07/2023 08:23 AM	InspectraBLE	881221	SIMW2041	44.30	6.22
2023Q1_Penetration	RES003	03/07/2023 09:53 AM	03/07/2023 09:53 AM	InspectraBLE	1011221	SIMSVE02	43.60	32.59
2023Q1_Penetration	RES005	03/07/2023 10:44 AM	03/07/2023 10:44 AM	InspectraBLE	811121	SIH02108	39.30	8.32
2023Q1_Penetration	RES001	03/07/2023 11:04 AM	03/07/2023 11:05 AM	InspectraBLE	1001221	SIM1778D	36.50	16.48
2023Q1_Penetration	RES001	03/07/2023 07:33 AM	03/07/2023 07:34 AM	InspectraBLE	1001221	SIMW1817	36.40	35.43
2023Q1_Penetration	RES004	03/07/2023 09:30 AM	03/07/2023 09:30 AM	InspectraBLE	761121	SIM1938S	34.60	9.21
2023Q1_Penetration	RES002	03/07/2023 09:35 AM	03/07/2023 09:35 AM	InspectraBLE	881221	SIM1937S	33.90	3.12
2023Q1_Penetration	RESrent3	03/16/2023 11:25 AM	03/16/2023 11:25 AM	InspectraBLE	2991022	SIH02004	31.00	28.01
2023Q1_Penetration	RES001	03/07/2023 11:11 AM	03/07/2023 11:11 AM	InspectraBLE	1001221	SIMW2077	30.10	13.31
2023Q1_Penetration	RESrent3	03/16/2023 10:42 AM	03/16/2023 10:42 AM	InspectraBLE	2991022	SIM1933S	28.50	8.63
2023Q1_Penetration	RES005	03/13/2023 08:15 AM	03/13/2023 08:15 AM	InspectraBLE	811121	SIMHL001	28.30	14.56

2023Q1_Penetration	RES001	03/07/2023 11:13 AM	03/07/2023 11:18 AM	InspectraBLE	1001221	SIMW2095	28.00	13.23
2023Q1_Penetration	RES001	03/07/2023 11:01 AM	03/07/2023 11:01 AM	InspectraBLE	1001221	SIMW2097	27.60	19.69
2023Q1_Penetration	RES001	03/07/2023 07:43 AM	03/07/2023 07:43 AM	InspectraBLE	1001221	SIMW0813	27.50	25.94
2023Q1_Penetration	RESrent3	03/16/2023 10:52 AM	03/16/2023 10:53 AM	InspectraBLE	2991022	SIMW2059	27.10	24.41
2023Q1_Penetration	RES004	03/07/2023 07:43 AM	03/07/2023 07:43 AM	InspectraBLE	761121	SIMW2228	25.80	19.15
2023Q1_Penetration	RES001	03/07/2023 11:17 AM	03/07/2023 11:17 AM	InspectraBLE	1001221	SIMW2214	23.80	19.79
2023Q1_Penetration	RES004	03/07/2023 07:50 AM	03/07/2023 07:50 AM	InspectraBLE	761121	SIMW2230	23.20	15.44
2023Q1_Penetration	RES002	03/07/2023 09:10 AM	03/07/2023 09:11 AM	InspectraBLE	881221	SIM1793D	23.00	2.55
2023Q1_Penetration	RES002	03/07/2023 11:12 AM	03/07/2023 11:13 AM	InspectraBLE	881221	SIMW2079	22.50	13.45
2023Q1_Penetration	RESrent3	03/16/2023 08:21 AM	03/16/2023 08:21 AM	InspectraBLE	2991022	SIMW0045	22.20	18.00
2023Q1_Penetration	RES005	03/13/2023 08:18 AM	03/13/2023 08:19 AM	InspectraBLE	811121	SIMW0048	21.90	16.58
2023Q1_Penetration	RES001	03/07/2023 11:03 AM	03/07/2023 11:04 AM	InspectraBLE	1001221	SIMW2076	21.50	13.68
2023Q1_Penetration	RES002	03/07/2023 07:50 AM	03/07/2023 07:51 AM	InspectraBLE	881221	SIM1789D	21.10	12.67
2023Q1_Penetration	RES005	03/07/2023 08:29 AM	03/13/2023 08:37 AM	InspectraBLE	811121	SIMW1104	21.00	3.67
2023Q1_Penetration	RES005	03/07/2023 07:32 AM	03/07/2023 07:32 AM	InspectraBLE	811121	SIMW2055	21.00	16.14
2023Q1_Penetration	RES002	03/07/2023 09:06 AM	03/07/2023 09:06 AM	InspectraBLE	881221	SIM1570S	20.80	6.63
2023Q1_Penetration	RES004	03/07/2023 07:45 AM	03/07/2023 07:46 AM	InspectraBLE	761121	SIMW2229	20.50	9.47
2023Q1_Penetration	RESrent3	03/16/2023 08:55 AM	03/16/2023 09:04 AM	InspectraBLE	2991022	SIMW805D	19.30	11.81
2023Q1_Penetration	RES001	03/07/2023 07:40 AM	03/07/2023 07:40 AM	InspectraBLE	1001221	SIMW0814	19.20	16.13
2023Q1_Penetration	RES003	03/07/2023 11:01 AM	03/07/2023 11:02 AM	InspectraBLE	1011221	SIMW1817	19.00	12.59
2023Q1_Penetration	RES001	03/07/2023 07:45 AM	03/07/2023 07:46 AM	InspectraBLE	1001221	SIMW2009	18.60	11.77
2023Q1_Penetration	RESrent3	03/16/2023 08:27 AM	03/16/2023 08:28 AM	InspectraBLE	2991022	SIMW0202	18.00	17.35
2023Q1_Penetration	RES003	03/07/2023 11:04 AM	03/07/2023 11:04 AM	InspectraBLE	1011221	SIMW1813	17.90	7.95
2023Q1_Penetration	RES004	03/07/2023 08:27 AM	03/07/2023 08:28 AM	InspectraBLE	761121	SIM1805D	17.70	3.54
2023Q1_Penetration	RES004	03/07/2023 09:26 AM	03/07/2023 09:26 AM	InspectraBLE	761121	SIMW2224	17.60	4.03
2023Q1_Penetration	RES005	03/07/2023 09:16 AM	03/07/2023 09:16 AM	InspectraBLE	811121	SIMW1779	17.50	4.94
2023Q1_Penetration	RES005	03/13/2023 08:28 AM	03/13/2023 08:28 AM	InspectraBLE	811121	SIMW2226	17.40	14.87
2023Q1_Penetration	RES005	03/13/2023 09:44 AM	03/13/2023 09:44 AM	InspectraBLE	811121	SIM2052D	16.60	10.06
2023Q1_Penetration	RES005	03/13/2023 09:53 AM	03/13/2023 09:54 AM	InspectraBLE	811121	SIM1780D	16.50	10.67
2023Q1_Penetration	RESrent3	03/16/2023 10:48 AM	03/16/2023 10:48 AM	InspectraBLE	2991022	SIMW0819	16.20	12.11
2023Q1_Penetration	RES003	03/07/2023 09:54 AM	03/07/2023 09:54 AM	InspectraBLE	1011221	SIMH016N	16.10	12.03
2023Q1_Penetration	RES001	03/07/2023 10:49 AM	03/07/2023 10:49 AM	InspectraBLE	1001221	SIMW1779	15.80	10.24
2023Q1_Penetration	RES004	03/07/2023 10:55 AM	03/07/2023 10:55 AM	InspectraBLE	761121	SIMW2215	15.70	19.33
2023Q1_Penetration	RES001	03/07/2023 11:06 AM	03/07/2023 11:06 AM	InspectraBLE	1001221	SIMW2096	15.10	10.97
2023Q1_Penetration	RES003	03/07/2023 08:54 AM	03/07/2023 08:55 AM	InspectraBLE	1011221	SIMW0020	15.10	6.18
2023Q1_Penetration	RES005	03/07/2023 08:27 AM	03/07/2023 08:27 AM	InspectraBLE	811121	SIM1799D	14.90	7.84
2023Q1_Penetration	RES001	03/07/2023 07:45 AM	03/07/2023 07:45 AM	InspectraBLE	1001221	SIM1564D	14.70	12.86
2023Q1_Penetration	RES004	03/07/2023 07:52 AM	03/07/2023 07:52 AM	InspectraBLE	761121	SIH1359A	14.70	9.08
2023Q1_Penetration	RES002	03/07/2023 07:53 AM	03/07/2023 07:54 AM	InspectraBLE	881221	SIMW1107	13.80	9.81
2023Q1_Penetration	RES003	03/07/2023 08:03 AM	03/07/2023 08:04 AM	InspectraBLE	1011221	SIMW0816	13.70	11.81
2023Q1_Penetration	RESrent3	03/16/2023 09:05 AM	03/16/2023 09:05 AM	InspectraBLE	2991022	SIH02125	13.50	13.15
2023Q1_Penetration	RES002	03/07/2023 07:51 AM	03/07/2023 07:51 AM	InspectraBLE	881221	SIMW1806	12.90	12.39
2023Q1_Penetration	RESrent3	03/16/2023 09:05 AM	03/16/2023 09:05 AM	InspectraBLE	2991022	SIH02108	12.90	12.78
2023Q1_Penetration	RES005	03/13/2023 09:38 AM	03/13/2023 09:39 AM	InspectraBLE	811121	SIMW1220	12.80	8.00
2023Q1_Penetration	RES002	03/07/2023 08:02 AM	03/07/2023 08:05 AM	InspectraBLE	881221	SIMW805S	12.50	5.31
2023Q1_Penetration	RES002	03/07/2023 07:32 AM	03/07/2023 07:51 AM	InspectraBLE	881221	SIMW1010	12.20	10.33
2023Q1_Penetration	RES001	03/07/2023 09:28 AM	03/07/2023 09:28 AM	InspectraBLE	1001221	SIMW2223	12.10	8.80

2023Q1_Penetration	RES005	03/07/2023 08:47 AM	03/07/2023 08:47 AM	InspectraBLE	811121 SIM1789D	12.10	5.70
2023Q1_Penetration	RESrent3	03/16/2023 11:24 AM	03/16/2023 11:24 AM	InspectraBLE	2991022 SIM1936S	11.70	9.96
2023Q1_Penetration	RES002	03/07/2023 07:56 AM	03/07/2023 07:57 AM	InspectraBLE	881221 SIMW1014	11.40	7.86
2023Q1_Penetration	RES005	03/07/2023 10:39 AM	03/07/2023 10:39 AM	InspectraBLE	811121 SIH02125	11.30	10.30
2023Q1_Penetration	RES002	03/07/2023 09:29 AM	03/07/2023 09:29 AM	InspectraBLE	881221 SIMW2059	11.20	6.32
2023Q1_Penetration	RESrent3	03/16/2023 08:33 AM	03/16/2023 08:33 AM	InspectraBLE	2991022 SIMW2084	10.70	10.11
2023Q1_Penetration	RES002	03/07/2023 10:56 AM	03/07/2023 10:56 AM	InspectraBLE	881221 SIMW1809	10.30	7.88
2023Q1_Penetration	RES001	03/07/2023 07:27 AM	03/07/2023 07:28 AM	InspectraBLE	1001221 SIM1937S	10.10	9.83
2023Q1_Penetration	RES003	03/07/2023 08:05 AM	03/07/2023 08:06 AM	InspectraBLE	1011221 SIMW0814	10.00	7.94
2023Q1_Penetration	RES004	03/07/2023 08:33 AM	03/07/2023 08:33 AM	InspectraBLE	761121 SIMW1232	10.00	2.60
2023Q1_Penetration	RES005	03/13/2023 08:31 AM	03/13/2023 08:31 AM	InspectraBLE	811121 SIM1777D	9.80	8.37
2023Q1_Penetration	RES001	03/07/2023 07:50 AM	03/07/2023 07:50 AM	InspectraBLE	1001221 SIMW1014	9.70	8.45
2023Q1_Penetration	RES005	03/07/2023 07:42 AM	03/07/2023 07:42 AM	InspectraBLE	811121 SIMW2056	9.40	4.59
2023Q1_Penetration	RES003	03/07/2023 08:10 AM	03/07/2023 08:10 AM	InspectraBLE	1011221 SIMW2009	8.80	7.25
2023Q1_Penetration	RESrent3	03/16/2023 09:24 AM	03/16/2023 09:24 AM	InspectraBLE	2991022 SIMH022S	8.60	6.14
2023Q1_Penetration	RESrent3	03/16/2023 12:27 PM	03/16/2023 12:27 PM	InspectraBLE	2991022 SIMWO9RS	8.60	6.22
2023Q1_Penetration	RES005	03/07/2023 10:40 AM	03/07/2023 10:40 AM	InspectraBLE	811121 SIH02109	8.40	7.69
2023Q1_Penetration	RES004	03/07/2023 11:14 AM	03/07/2023 11:14 AM	InspectraBLE	761121 SIMW2098	8.30	9.92
2023Q1_Penetration	RES005	03/07/2023 10:39 AM	03/07/2023 10:39 AM	InspectraBLE	811121 SIH2115D	8.30	5.53
2023Q1_Penetration	RES005	03/13/2023 10:01 AM	03/13/2023 10:02 AM	InspectraBLE	811121 SIM1805S	8.30	6.57
2023Q1_Penetration	RES005	03/13/2023 08:23 AM	03/13/2023 08:23 AM	InspectraBLE	811121 SIMHL003	8.00	5.19
2023Q1_Penetration	RESrent3	03/16/2023 10:16 AM	03/16/2023 10:17 AM	InspectraBLE	2991022 SIH1405B	7.80	4.64
2023Q1_Penetration	RES004	03/07/2023 07:53 AM	03/07/2023 07:53 AM	InspectraBLE	761121 SIMW1234	7.60	5.92
2023Q1_Penetration	RES004	03/07/2023 07:31 AM	03/07/2023 07:31 AM	InspectraBLE	761121 SIH02109	7.20	7.10
2023Q1_Penetration	RES005	03/07/2023 07:48 AM	03/07/2023 09:03 AM	InspectraBLE	811121 SIMW1790	7.20	3.60
2023Q1_Penetration	RES005	03/07/2023 07:49 AM	03/07/2023 07:49 AM	InspectraBLE	811121 SIMW2057	7.10	5.64
2023Q1_Penetration	RES005	03/07/2023 09:18 AM	03/07/2023 09:18 AM	InspectraBLE	811121 SIMW822D	7.10	5.00
2023Q1_Penetration	RES001	03/07/2023 07:53 AM	03/07/2023 07:53 AM	InspectraBLE	1001221 SIMW810S	7.00	6.45
2023Q1_Penetration	RES001	03/07/2023 07:54 AM	03/07/2023 07:54 AM	InspectraBLE	1001221 SIMW810D	6.80	6.26
2023Q1_Penetration	RES004	03/07/2023 09:10 AM	03/07/2023 09:10 AM	InspectraBLE	761121 SIMW116R	6.70	3.04
2023Q1_Penetration	RES001	03/07/2023 09:17 AM	03/07/2023 09:18 AM	InspectraBLE	1001221 SIM1562D	6.60	5.01
2023Q1_Penetration	RESrent3	03/16/2023 09:16 AM	03/16/2023 09:16 AM	InspectraBLE	2991022 SIMW0708	6.60	5.89
2023Q1_Penetration	RES005	03/07/2023 08:00 AM	03/07/2023 08:00 AM	InspectraBLE	811121 SIMW1569	6.50	6.00
2023Q1_Penetration	RES005	03/07/2023 07:46 AM	03/07/2023 07:46 AM	InspectraBLE	811121 SIMLR22A	6.40	6.11
2023Q1_Penetration	RES005	03/07/2023 07:46 AM	03/07/2023 07:46 AM	InspectraBLE	811121 SIMW1781	6.30	6.02
2023Q1_Penetration	RESrent3	03/16/2023 11:28 AM	03/16/2023 11:28 AM	InspectraBLE	2991022 SIMH022N	6.30	5.96
2023Q1_Penetration	RES003	03/07/2023 08:08 AM	03/07/2023 08:08 AM	InspectraBLE	1011221 SIMW0813	6.20	5.81
2023Q1_Penetration	RES004	03/07/2023 09:24 AM	03/07/2023 09:24 AM	InspectraBLE	761121 SIMW2225	6.20	4.39
2023Q1_Penetration	RESrent3	03/16/2023 08:44 AM	03/16/2023 08:45 AM	InspectraBLE	2991022 SIM1792D	6.20	5.85
2023Q1_Penetration	RES002	03/07/2023 08:05 AM	03/07/2023 08:05 AM	InspectraBLE	881221 SIMW703S	6.00	5.68
2023Q1_Penetration	RES005	03/07/2023 07:54 AM	03/07/2023 07:54 AM	InspectraBLE	811121 SIM1805D	6.00	5.57
2023Q1_Penetration	RESrent3	03/16/2023 08:45 AM	03/16/2023 08:45 AM	InspectraBLE	2991022 SIM1792S	6.00	5.78
2023Q1_Penetration	RESrent3	03/16/2023 08:56 AM	03/16/2023 08:56 AM	InspectraBLE	2991022 SIMW1791	6.00	5.29
2023Q1_Penetration	RES002	03/07/2023 08:05 AM	03/07/2023 08:05 AM	InspectraBLE	881221 SIMW810S	5.90	5.20
2023Q1_Penetration	RES005	03/07/2023 07:59 AM	03/07/2023 07:59 AM	InspectraBLE	811121 SIH1359A	5.80	5.40
2023Q1_Penetration	RES005	03/07/2023 11:01 AM	03/07/2023 11:01 AM	InspectraBLE	811121 SIMW2089	5.80	3.38
2023Q1_Penetration	RES005	03/07/2023 08:28 AM	03/07/2023 08:28 AM	InspectraBLE	811121 SIM1799S	5.70	4.96

2023Q1_Penetration	RES005	03/07/2023 08:31 AM	03/07/2023 08:31 AM	InspectraBLE	811121	SIMW012R	5.70	5.29
2023Q1_Penetration	RESrent3	03/16/2023 08:49 AM	03/16/2023 08:50 AM	InspectraBLE	2991022	SIMW707D	5.70	5.31
2023Q1_Penetration	RES005	03/07/2023 11:03 AM	03/07/2023 11:03 AM	InspectraBLE	811121	SIMW1812	5.60	3.48
2023Q1_Penetration	RES005	03/13/2023 10:57 AM	03/13/2023 10:58 AM	InspectraBLE	811121	SIM1793S	5.50	3.31
2023Q1_Penetration	RES001	03/07/2023 09:17 AM	03/07/2023 09:17 AM	InspectraBLE	1001221	SIM1562S	5.30	3.90
2023Q1_Penetration	RES005	03/13/2023 09:43 AM	03/13/2023 09:43 AM	InspectraBLE	811121	SIM2052S	5.20	4.89
2023Q1_Penetration	RESrent3	03/16/2023 09:09 AM	03/16/2023 09:09 AM	InspectraBLE	2991022	SIH1363B	5.10	4.65
2023Q1_Penetration	RES005	03/07/2023 11:06 AM	03/07/2023 11:06 AM	InspectraBLE	811121	SIH02105	5.00	4.69
2023Q1_Penetration	RES005	03/07/2023 07:50 AM	03/07/2023 07:50 AM	InspectraBLE	811121	SIMW1014	5.00	4.86
2023Q1_Penetration	RES005	03/07/2023 07:50 AM	03/07/2023 07:50 AM	InspectraBLE	811121	SIMW2047	5.00	4.80
2023Q1_Penetration	RES002	03/07/2023 08:05 AM	03/07/2023 08:06 AM	InspectraBLE	881221	SIMW810D	4.90	4.60
2023Q1_Penetration	RES001	03/07/2023 09:15 AM	03/07/2023 09:15 AM	InspectraBLE	1001221	SIMW2220	4.80	3.93
2023Q1_Penetration	RES005	03/07/2023 07:37 AM	03/07/2023 07:37 AM	InspectraBLE	811121	SIMW2227	4.80	4.38
2023Q1_Penetration	RES003	03/07/2023 11:05 AM	03/07/2023 11:06 AM	InspectraBLE	1011221	SIMW2070	4.70	3.88
2023Q1_Penetration	RES005	03/07/2023 08:49 AM	03/07/2023 08:49 AM	InspectraBLE	811121	SIM2043S	4.60	3.72
2023Q1_Penetration	RES005	03/07/2023 07:56 AM	03/07/2023 07:56 AM	InspectraBLE	811121	SIMW2065	4.60	4.06
2023Q1_Penetration	RES005	03/07/2023 08:01 AM	03/07/2023 08:02 AM	InspectraBLE	811121	SIM1573D	4.40	4.25
2023Q1_Penetration	RES005	03/07/2023 07:55 AM	03/07/2023 09:30 AM	InspectraBLE	811121	SIM2061D	4.40	3.14
2023Q1_Penetration	RES005	03/07/2023 07:39 AM	03/07/2023 09:07 AM	InspectraBLE	811121	SIMW178S	4.30	3.36
2023Q1_Penetration	RESrent3	03/16/2023 10:02 AM	03/16/2023 10:02 AM	InspectraBLE	2991022	SIMW0816	4.30	2.99
2023Q1_Penetration	RES001	03/07/2023 08:01 AM	03/07/2023 09:31 AM	InspectraBLE	1001221	SIMW2222	4.10	2.86
2023Q1_Penetration	RES003	03/07/2023 08:21 AM	03/07/2023 08:21 AM	InspectraBLE	1011221	SIMW810S	4.10	3.72
2023Q1_Penetration	RES001	03/07/2023 08:03 AM	03/07/2023 08:03 AM	InspectraBLE	1001221	SIH02110	3.90	3.69
2023Q1_Penetration	RES001	03/07/2023 08:00 AM	03/07/2023 08:01 AM	InspectraBLE	1001221	SIMW1228	3.90	3.77
2023Q1_Penetration	RES003	03/07/2023 11:12 AM	03/07/2023 11:12 AM	InspectraBLE	1011221	SIMSVE03	3.90	3.50
2023Q1_Penetration	RES005	03/07/2023 08:37 AM	03/13/2023 08:33 AM	InspectraBLE	811121	SIMW1011	3.90	3.21
2023Q1_Penetration	RES005	03/07/2023 07:45 AM	03/07/2023 07:45 AM	InspectraBLE	811121	SIMW1807	3.90	3.72
2023Q1_Penetration	RES005	03/07/2023 07:37 AM	03/07/2023 07:37 AM	InspectraBLE	811121	SIMW2091	3.90	3.74
2023Q1_Penetration	RESrent3	03/16/2023 10:18 AM	03/16/2023 10:21 AM	InspectraBLE	2991022	SIH1406B	3.90	1.99
2023Q1_Penetration	RESrent3	03/16/2023 09:36 AM	03/16/2023 09:37 AM	InspectraBLE	2991022	SIMH021S	3.90	2.99
2023Q1_Penetration	RES001	03/07/2023 11:03 AM	03/07/2023 11:03 AM	InspectraBLE	1001221	SIMW2073	3.80	3.28
2023Q1_Penetration	RES005	03/07/2023 07:24 AM	03/07/2023 07:25 AM	InspectraBLE	811121	SIH02111	3.80	3.04
2023Q1_Penetration	RES005	03/13/2023 10:16 AM	03/13/2023 11:25 AM	InspectraBLE	811121	SIMLR0AR	3.80	2.20
2023Q1_Penetration	RES005	03/07/2023 08:52 AM	03/07/2023 08:52 AM	InspectraBLE	811121	SIMW1786	3.80	2.86
2023Q1_Penetration	RES005	03/07/2023 08:21 AM	03/07/2023 08:21 AM	InspectraBLE	811121	SIMW2046	3.80	3.67
2023Q1_Penetration	RES001	03/07/2023 09:24 AM	03/07/2023 09:24 AM	InspectraBLE	1001221	SIH2001B	3.70	2.35
2023Q1_Penetration	RES001	03/07/2023 08:00 AM	03/07/2023 08:00 AM	InspectraBLE	1001221	SIM1673S	3.70	3.57
2023Q1_Penetration	RES003	03/07/2023 09:07 AM	03/07/2023 09:07 AM	InspectraBLE	1011221	SIMW0019	3.70	3.50
2023Q1_Penetration	RES004	03/07/2023 09:03 AM	03/07/2023 09:03 AM	InspectraBLE	761121	SIMW122S	3.70	2.62
2023Q1_Penetration	RES005	03/07/2023 08:15 AM	03/07/2023 08:15 AM	InspectraBLE	811121	SIM1928S	3.70	3.39
2023Q1_Penetration	RES005	03/07/2023 11:02 AM	03/07/2023 11:02 AM	InspectraBLE	811121	SIMW1811	3.70	3.01
2023Q1_Penetration	RES001	03/07/2023 09:01 AM	03/07/2023 09:02 AM	InspectraBLE	1001221	SIMI0903	3.60	2.98
2023Q1_Penetration	RES003	03/07/2023 08:20 AM	03/07/2023 08:21 AM	InspectraBLE	1011221	SIMW810D	3.60	3.24
2023Q1_Penetration	RES005	03/07/2023 07:39 AM	03/07/2023 08:45 AM	InspectraBLE	811121	SIH1362A	3.60	2.95
2023Q1_Penetration	RES005	03/07/2023 07:39 AM	03/07/2023 07:39 AM	InspectraBLE	811121	SIH1404B	3.60	3.40
2023Q1_Penetration	RES005	03/07/2023 08:05 AM	03/07/2023 08:05 AM	InspectraBLE	811121	SIM1783S	3.60	3.35
2023Q1_Penetration	RES005	03/07/2023 08:23 AM	03/07/2023 08:23 AM	InspectraBLE	811121	SIMW1798	3.60	3.36

2023Q1_Penetration	RES001	03/07/2023 09:15 AM	03/07/2023 09:15 AM	InspectraBLE	1001221	SIMW2088	3.50	3.35
2023Q1_Penetration	RES003	03/07/2023 08:18 AM	03/07/2023 08:18 AM	InspectraBLE	1011221	SIMW1014	3.50	3.10
2023Q1_Penetration	RES005	03/07/2023 08:16 AM	03/07/2023 08:16 AM	InspectraBLE	811121	SIM1782S	3.50	3.37
2023Q1_Penetration	RES005	03/07/2023 08:06 AM	03/07/2023 08:06 AM	InspectraBLE	811121	SIM1783D	3.40	3.29
2023Q1_Penetration	RES003	03/07/2023 10:15 AM	03/07/2023 10:16 AM	InspectraBLE	1011221	SIH02114	3.30	2.97
2023Q1_Penetration	RES005	03/07/2023 09:46 AM	03/07/2023 09:46 AM	InspectraBLE	811121	SIH1401A	3.30	1.96
2023Q1_Penetration	RES005	03/07/2023 08:16 AM	03/07/2023 08:16 AM	InspectraBLE	811121	SIM1782D	3.30	3.08
2023Q1_Penetration	RES005	03/07/2023 07:25 AM	03/07/2023 07:25 AM	InspectraBLE	811121	SIMW0808	3.30	3.15
2023Q1_Penetration	RES005	03/07/2023 07:25 AM	03/07/2023 07:25 AM	InspectraBLE	811121	SIMW2049	3.30	2.62
2023Q1_Penetration	RES003	03/07/2023 08:26 AM	03/07/2023 08:26 AM	InspectraBLE	1011221	SIMLR00D	3.20	3.11
2023Q1_Penetration	RES003	03/07/2023 08:28 AM	03/07/2023 08:28 AM	InspectraBLE	1011221	SIMW0812	3.20	3.01
2023Q1_Penetration	RES005	03/07/2023 09:00 AM	03/07/2023 09:00 AM	InspectraBLE	811121	SIMW1571	3.20	3.05
2023Q1_Penetration	RES001	03/07/2023 09:23 AM	03/07/2023 09:24 AM	InspectraBLE	1001221	SIM1805D	3.10	2.46
2023Q1_Penetration	RES001	03/07/2023 09:13 AM	03/07/2023 09:13 AM	InspectraBLE	1001221	SIMW1563	3.10	2.91
2023Q1_Penetration	RES003	03/07/2023 08:35 AM	03/07/2023 08:35 AM	InspectraBLE	1011221	SIMW0057	3.10	2.74
2023Q1_Penetration	RES003	03/07/2023 09:09 AM	03/07/2023 09:09 AM	InspectraBLE	1011221	SIMW0809	3.10	2.96
2023Q1_Penetration	RES004	03/07/2023 08:57 AM	03/07/2023 08:57 AM	InspectraBLE	761121	SIMW703S	3.10	2.59
2023Q1_Penetration	RES005	03/07/2023 08:19 AM	03/07/2023 08:19 AM	InspectraBLE	811121	SIMW1801	3.10	2.92
2023Q1_Penetration	RESrent3	03/16/2023 10:03 AM	03/16/2023 10:04 AM	InspectraBLE	2991022	SIH1403B	3.10	2.64
2023Q1_Penetration	RESrent3	03/16/2023 10:04 AM	03/16/2023 10:04 AM	InspectraBLE	2991022	SIM2052S	3.10	2.91
2023Q1_Penetration	RES002	03/07/2023 09:14 AM	03/07/2023 09:14 AM	InspectraBLE	881221	SIM1564D	3.00	2.57
2023Q1_Penetration	RES002	03/07/2023 08:44 AM	03/07/2023 08:45 AM	InspectraBLE	881221	SIMI0903	3.00	2.64
2023Q1_Penetration	RES003	03/07/2023 10:05 AM	03/07/2023 10:05 AM	InspectraBLE	1011221	SIMH022N	3.00	2.86
2023Q1_Penetration	RES003	03/07/2023 08:33 AM	03/07/2023 08:33 AM	InspectraBLE	1011221	SIMW0018	3.00	2.83
2023Q1_Penetration	RES005	03/07/2023 08:13 AM	03/07/2023 08:13 AM	InspectraBLE	811121	SIH1403A	3.00	2.77
2023Q1_Penetration	RES005	03/07/2023 08:17 AM	03/07/2023 08:17 AM	InspectraBLE	811121	SIM1929S	3.00	2.81
2023Q1_Penetration	RES005	03/07/2023 08:50 AM	03/07/2023 08:50 AM	InspectraBLE	811121	SIMW1005	3.00	2.74
2023Q1_Penetration	RES005	03/07/2023 09:19 AM	03/07/2023 09:19 AM	InspectraBLE	811121	SIMW822S	3.00	2.39
2023Q1_Penetration	RES002	03/07/2023 09:14 AM	03/07/2023 09:15 AM	InspectraBLE	881221	SIM1564S	2.90	2.68
2023Q1_Penetration	RES004	03/07/2023 09:23 AM	03/07/2023 09:23 AM	InspectraBLE	761121	SIMW703D	2.90	3.38
2023Q1_Penetration	RES005	03/07/2023 09:27 AM	03/07/2023 09:27 AM	InspectraBLE	811121	SIM1778S	2.90	2.63
2023Q1_Penetration	RESrent3	03/16/2023 10:37 AM	03/16/2023 10:37 AM	InspectraBLE	2991022	SIMW1102	2.90	2.28
2023Q1_Penetration	RES005	03/07/2023 10:52 AM	03/07/2023 10:52 AM	InspectraBLE	811121	SIMW1821	2.80	2.23
2023Q1_Penetration	RESrent3	03/16/2023 12:05 PM	03/16/2023 12:06 PM	InspectraBLE	2991022	SIH02002	2.80	2.02
2023Q1_Penetration	RES001	03/07/2023 09:23 AM	03/07/2023 09:23 AM	InspectraBLE	1001221	SIH02111	2.70	2.43
2023Q1_Penetration	RES001	03/07/2023 08:52 AM	03/07/2023 08:52 AM	InspectraBLE	1001221	SIMI0905	2.70	2.31
2023Q1_Penetration	RES001	03/07/2023 09:22 AM	03/07/2023 09:22 AM	InspectraBLE	1001221	SIMW2221	2.70	2.47
2023Q1_Penetration	RES002	03/07/2023 08:52 AM	03/07/2023 08:53 AM	InspectraBLE	881221	SIMW1233	2.70	2.51
2023Q1_Penetration	RES002	03/07/2023 08:56 AM	03/07/2023 08:56 AM	InspectraBLE	881221	SIMW2008	2.70	2.35
2023Q1_Penetration	RES005	03/07/2023 10:41 AM	03/07/2023 10:41 AM	InspectraBLE	811121	SIH02124	2.70	2.33
2023Q1_Penetration	RES005	03/07/2023 09:26 AM	03/07/2023 09:26 AM	InspectraBLE	811121	SIM1778D	2.70	1.93
2023Q1_Penetration	RES005	03/07/2023 08:57 AM	03/07/2023 09:33 AM	InspectraBLE	811121	SIMW2053	2.70	2.28
2023Q1_Penetration	RES002	03/07/2023 08:45 AM	03/07/2023 08:45 AM	InspectraBLE	881221	SIMW1011	2.60	2.44
2023Q1_Penetration	RES002	03/07/2023 09:11 AM	03/07/2023 09:11 AM	InspectraBLE	881221	SIMW1565	2.60	2.40
2023Q1_Penetration	RES002	03/07/2023 08:45 AM	03/07/2023 08:45 AM	InspectraBLE	881221	SIMW2007	2.60	2.47
2023Q1_Penetration	RES003	03/07/2023 08:46 AM	03/07/2023 08:52 AM	InspectraBLE	1011221	SIMW0808	2.60	2.16
2023Q1_Penetration	RES003	03/07/2023 08:30 AM	03/07/2023 08:31 AM	InspectraBLE	1011221	SIMW0811	2.60	2.46

2023Q1_Penetration	RES004	03/07/2023 08:56 AM	03/07/2023 08:56 AM	InspectraBLE	761121 SIH2001A	2.60	2.47
2023Q1_Penetration	RES005	03/07/2023 08:43 AM	03/07/2023 08:44 AM	InspectraBLE	811121 SIM1788S	2.60	2.53
2023Q1_Penetration	RES005	03/07/2023 11:05 AM	03/07/2023 11:05 AM	InspectraBLE	811121 SIM1932S	2.60	2.36
2023Q1_Penetration	RES005	03/07/2023 08:41 AM	03/07/2023 08:42 AM	InspectraBLE	811121 SIMW1229	2.60	2.39
2023Q1_Penetration	RES001	03/07/2023 09:03 AM	03/07/2023 09:03 AM	InspectraBLE	1001221 SIMI0902	2.50	2.30
2023Q1_Penetration	RES001	03/07/2023 08:54 AM	03/07/2023 08:55 AM	InspectraBLE	1001221 SIMI0904	2.50	2.37
2023Q1_Penetration	RES002	03/07/2023 08:57 AM	03/07/2023 08:57 AM	InspectraBLE	881221 SIMW2083	2.50	2.27
2023Q1_Penetration	RES003	03/07/2023 09:13 AM	03/07/2023 09:13 AM	InspectraBLE	1011221 SIMHL002	2.50	2.42
2023Q1_Penetration	RES003	03/07/2023 08:59 AM	03/07/2023 08:59 AM	InspectraBLE	1011221 SIMW0001	2.50	2.31
2023Q1_Penetration	RES003	03/07/2023 10:51 AM	03/07/2023 10:51 AM	InspectraBLE	1011221 SIMW1563	2.50	2.29
2023Q1_Penetration	RES003	03/07/2023 08:53 AM	03/07/2023 08:54 AM	InspectraBLE	1011221 SIMW1808	2.50	2.34
2023Q1_Penetration	RES003	03/07/2023 11:08 AM	03/07/2023 11:08 AM	InspectraBLE	1011221 SIMW2082	2.50	2.26
2023Q1_Penetration	RES005	03/07/2023 09:40 AM	03/07/2023 09:40 AM	InspectraBLE	811121 SIMW1795	2.50	2.27
2023Q1_Penetration	RES001	03/07/2023 09:10 AM	03/07/2023 09:10 AM	InspectraBLE	1001221 SIMI0901	2.40	2.14
2023Q1_Penetration	RES003	03/07/2023 08:38 AM	03/07/2023 08:39 AM	InspectraBLE	1011221 SIMW0002	2.40	2.17
2023Q1_Penetration	RES005	03/07/2023 10:43 AM	03/07/2023 10:43 AM	InspectraBLE	811121 SIH02123	2.40	2.10
2023Q1_Penetration	RES005	03/07/2023 08:42 AM	03/07/2023 08:42 AM	InspectraBLE	811121 SIH1406A	2.40	2.27
2023Q1_Penetration	RES005	03/07/2023 08:43 AM	03/07/2023 08:43 AM	InspectraBLE	811121 SIM1788D	2.40	2.31
2023Q1_Penetration	RES005	03/13/2023 10:23 AM	03/13/2023 10:24 AM	InspectraBLE	811121 SIM2081S	2.40	2.16
2023Q1_Penetration	RES005	03/13/2023 10:20 AM	03/13/2023 10:21 AM	InspectraBLE	811121 SIMHL005	2.40	2.02
2023Q1_Penetration	RES005	03/07/2023 11:08 AM	03/07/2023 11:08 AM	InspectraBLE	811121 SIMSVE03	2.40	2.21
2023Q1_Penetration	RESrent3	03/16/2023 10:36 AM	03/16/2023 10:36 AM	InspectraBLE	2991022 SIH02110	2.40	2.27
2023Q1_Penetration	RESrent3	03/16/2023 09:48 AM	03/16/2023 09:48 AM	InspectraBLE	2991022 SIMW0812	2.40	2.03
2023Q1_Penetration	RES003	03/07/2023 09:13 AM	03/07/2023 09:13 AM	InspectraBLE	1011221 SIMLR602	2.30	2.17
2023Q1_Penetration	RES003	03/07/2023 08:40 AM	03/07/2023 08:41 AM	InspectraBLE	1011221 SIMW0004	2.30	2.13
2023Q1_Penetration	RES005	03/13/2023 10:11 AM	03/13/2023 10:12 AM	InspectraBLE	811121 SIMW1356	2.30	2.12
2023Q1_Penetration	RESrent3	03/16/2023 09:51 AM	03/16/2023 09:51 AM	InspectraBLE	2991022 SIMLR001	2.30	1.97
2023Q1_Penetration	RES001	03/07/2023 09:26 AM	03/07/2023 09:26 AM	InspectraBLE	1001221 SIH2001A	2.20	1.97
2023Q1_Penetration	RES005	03/13/2023 10:26 AM	03/13/2023 10:27 AM	InspectraBLE	811121 SIH1404A	2.20	2.07
2023Q1_Penetration	RES005	03/07/2023 08:58 AM	03/07/2023 08:58 AM	InspectraBLE	811121 SIM2064D	2.20	1.96
2023Q1_Penetration	RES005	03/07/2023 08:53 AM	03/07/2023 08:53 AM	InspectraBLE	811121 SIM2064S	2.20	2.01
2023Q1_Penetration	RES005	03/07/2023 09:35 AM	03/07/2023 09:35 AM	InspectraBLE	811121 SIMHL002	2.20	1.86
2023Q1_Penetration	RES005	03/13/2023 10:07 AM	03/13/2023 10:07 AM	InspectraBLE	811121 SIMLR00A	2.20	1.98
2023Q1_Penetration	RES003	03/07/2023 09:30 AM	03/07/2023 09:30 AM	InspectraBLE	1011221 SIMH0017	2.10	1.89
2023Q1_Penetration	RES003	03/07/2023 10:47 AM	03/07/2023 10:48 AM	InspectraBLE	1011221 SIMI0901	2.10	1.84
2023Q1_Penetration	RES003	03/07/2023 08:49 AM	03/07/2023 08:50 AM	InspectraBLE	1011221 SIMW0006	2.10	1.97
2023Q1_Penetration	RES005	03/07/2023 10:46 AM	03/07/2023 10:49 AM	InspectraBLE	811121 SIH02107	2.10	1.81
2023Q1_Penetration	RES005	03/07/2023 09:41 AM	03/07/2023 09:41 AM	InspectraBLE	811121 SIMW1353	2.10	1.94
2023Q1_Penetration	RES005	03/07/2023 08:56 AM	03/07/2023 08:57 AM	InspectraBLE	811121 SIMW2094	2.10	1.91
2023Q1_Penetration	RESrent3	03/16/2023 09:31 AM	03/16/2023 09:31 AM	InspectraBLE	2991022 SIMH018S	2.10	1.85
2023Q1_Penetration	RES005	03/07/2023 09:12 AM	03/07/2023 09:12 AM	InspectraBLE	811121 SIM1568S	2.00	1.84
2023Q1_Penetration	RES005	03/13/2023 10:47 AM	03/13/2023 10:47 AM	InspectraBLE	811121 SIM2044S	2.00	1.82
2023Q1_Penetration	RES005	03/13/2023 10:35 AM	03/13/2023 10:36 AM	InspectraBLE	811121 SIM2054S	2.00	1.81
2023Q1_Penetration	RES005	03/07/2023 09:29 AM	03/07/2023 09:29 AM	InspectraBLE	811121 SIM2061S	2.00	1.75
2023Q1_Penetration	RES005	03/13/2023 10:52 AM	03/13/2023 10:52 AM	InspectraBLE	811121 SIMW1222	2.00	1.78
2023Q1_Penetration	RES005	03/13/2023 10:29 AM	03/13/2023 10:29 AM	InspectraBLE	811121 SIMW1225	2.00	1.82
2023Q1_Penetration	RES005	03/07/2023 09:09 AM	03/07/2023 09:09 AM	InspectraBLE	811121 SIMW2045	2.00	1.82

2023Q1_Penetration	RES005	03/07/2023 10:50 AM	03/07/2023 10:50 AM	InspectraBLE	811121 SIH02106	1.90	1.77
2023Q1_Penetration	RES005	03/07/2023 10:48 AM	03/07/2023 10:48 AM	InspectraBLE	811121 SIH2115F	1.90	1.84
2023Q1_Penetration	RES005	03/07/2023 09:12 AM	03/07/2023 09:12 AM	InspectraBLE	811121 SIM1568D	1.90	1.81
2023Q1_Penetration	RES005	03/13/2023 10:47 AM	03/13/2023 10:47 AM	InspectraBLE	811121 SIM2044D	1.90	1.79
2023Q1_Penetration	RES005	03/13/2023 10:31 AM	03/13/2023 10:31 AM	InspectraBLE	811121 SIMW1008	1.90	1.78
2023Q1_Penetration	RES005	03/07/2023 09:39 AM	03/07/2023 09:39 AM	InspectraBLE	811121 SIMW1803	1.90	1.70
2023Q1_Penetration	RES005	03/07/2023 09:44 AM	03/07/2023 09:44 AM	InspectraBLE	811121 SIM1777S	1.80	1.73
2023Q1_Penetration	RES005	03/13/2023 10:35 AM	03/13/2023 10:35 AM	InspectraBLE	811121 SIM2054D	1.80	1.71
2023Q1_Penetration	RES005	03/07/2023 09:31 AM	03/07/2023 09:31 AM	InspectraBLE	811121 SIMW1802	1.80	1.71
2023Q1_Penetration	RES001	03/07/2023 09:29 AM	03/07/2023 09:29 AM	InspectraBLE	1001221 SIMW1794	1.70	1.53
2023Q1_Penetration	RES005	03/13/2023 10:40 AM	03/13/2023 10:40 AM	InspectraBLE	811121 SIM1573S	1.70	1.57
2023Q1_Penetration	RES005	03/13/2023 11:02 AM	03/13/2023 11:02 AM	InspectraBLE	811121 SIM2042S	1.70	1.55
2023Q1_Penetration	RES005	03/13/2023 10:32 AM	03/13/2023 10:32 AM	InspectraBLE	811121 SIMW1787	1.70	1.60
2023Q1_Penetration	RES005	03/13/2023 11:02 AM	03/13/2023 11:02 AM	InspectraBLE	811121 SIM2042D	1.60	1.51

Waste Management Instantaneous Landfill Surface Emissions Monitoring
Exceedance and Monitoring Logs

Quarter: 1st 2023

Initial Monitoring Performed By: Mike Orue

Follow-up Monitoring Performed By: Shaun Hershey

Landfill Name: Simi Valley Landfill

Initial Monitoring Event				Corrective Action within 5 Days		1st 10-Day Follow-Up			1st 30-Day Follow-Up			Comments
Grid #	Flag #	Monitoring Date	Field Reading	Repair Date	Action taken to repair Exceedance	Monitoring Date	No Exceed. <500 ppm	Exceed. >500 ppm	Monitoring Date	No Exceed. <500 ppm	Exceed. >500 ppm	
156	Y1	3-7-23	8094			3-17-23	307 *		4-5-23			SIMW 7090
14	Y2		2367				194			77		SIMW 09RD
44	Y3		1893.6				299			93		SIMW 2008
112	Y4		1607.7				256 *					SIMW 7095
153	Y5		766.5				345 *					SIMW 2005
20	Y6		736.4				463			206		SIMW 0003
14	Y7		672.4				89.8			55		SIMW 1561
135	Y8		2172.6				74 *					Surface
42	Y9		17765.5				493			244		Surface
116	Y10		1563				95 *					Surface
137	Y11		847.5				301 *					Surface
143	Y12		620.2				406 *					Surface
76	Y13		977.2				271			131		Surface
115	Y14		2364.3				250 *					Surface
135	Y15		1168.5				380 *					Surface
68	Y16		687.2				371			79		SIM 1789

* COULD NOT RECHECK DUE TO FILLING IN WET DECK FILL AREA

Waste Management Instantaneous Landfill Surface Emissions Monitoring
Exceedance and Monitoring Logs

Quarter: 1ST 2023

Initial Monitoring Performed By: MIKE ORUE

Follow-up Monitoring Performed By: SHAWN HENSLEY, MATT DOMINGUEZ

Landfill Name: SUNL VALLEY LANDFILL

Initial Monitoring Event				Corrective Action within 5 Days		1st 10-Day Follow-Up			1st 30-Day Follow-Up			Comments
Grid #	Flag #	Monitoring Date	Field Reading	Repair Date	Action taken to repair Exceedance	Monitoring Date	No Exceed. <500 ppm	Exceed. >500 ppm	Monitoring Date	No Exceed. <500 ppm	Exceed. >500 ppm	
156	Y1	3-7-23	8095			4-5-23	307		4-18-23	67		
112	Y4	↓	1607.7			↓	256		↓	53		
153	Y5		966.5				345			87		
135	Y8		2172.6				74			50		
116	Y10		1563				95			82		
137	Y11		847.5				301			116		
143	Y12		620.2				406			242		
115	Y14		2364.3				250			141		
135	Y15	↓	1168.5			↓	380		↓	98		

ALL WET DECK HOT SPOTS FROM 3-7-23

NOTE 10 DAY WAS DONE ON 4-5-23 DUE TO WET DECK ACCESS

Waste Management Instantaneous Landfill Surface Emissions Monitoring
Exceedance and Monitoring Logs

Quarter: 1st 2023

Initial Monitoring Performed By: Michael ORise

Follow-up Monitoring Performed By: Michael ORise / Michael ORix

Landfill Name: Simi Valley

Initial Monitoring Event				Corrective Action within 5 Days		1st 10-Day Follow-Up			1st 30-Day Follow-Up			Comments
Grid #	Flag #	Monitoring Date	Field Reading	Repair Date	Action taken to repair Exceedance	Monitoring Date	No Exceed. <500 ppm	Exceed. >500 ppm	Monitoring Date	No Exceed. <500 ppm	Exceed. >500 ppm	
112	4161	3-13-23	559.7			3-23-23	294.3		4-12-23	256		Surface

Waste Management Instantaneous Landfill Surface Emissions Monitoring
Exceedance and Monitoring Logs

Quarter: 1st Quarter 2023

Initial Monitoring Performed By: Michael CRUZ

Follow-up Monitoring Performed By: MICHAEL CRUZ / michael CRUZ

Landfill Name: Simi Valley

Initial Monitoring Event				Corrective Action within 5 Days		1st 10-Day Follow-Up			1st 30-Day Follow-Up			Comments
Grid #	Flag #	Monitoring Date	Field Reading	Repair Date	Action taken to repair Exceedance	Monitoring Date	No Exceed. <500 ppm	Exceed. >500 ppm	Monitoring Date	No Exceed. <500 ppm	Exceed. >500 ppm	
110	Y117	3-16-23	1073.1			3-25-23	225		4-12-23	311		

Waste Management Instantaneous Landfill Surface Emissions Monitoring
Exceedance and Monitoring Logs

Quarter: 1st Quarter 2023

Initial Monitoring Performed By: Mike Crane

Follow-up Monitoring Performed By: MIKE CRANE / MIKE DUG

Landfill Name: Simi Valley

Initial Monitoring Event				Corrective Action within 5 Days		1st 10-Day Follow-Up			1st 30-Day Follow-Up			Comments
Grid #	Flag #	Monitoring Date	Field Reading	Repair Date	Action taken to repair Exceedance	Monitoring Date	No Exceed. <500 ppm	Exceed. >500 ppm	Monitoring Date	No Exceed. <500 ppm	Exceed. >500 ppm	
80	4118	3-17-23	510			3-25-23	210		4-12-23	172		
80	4119		830.1				306			341		
80	4120		787.9				93			56		
77	4121		836.6				101			295		
79	4122		2152.4				355			393		
78	4123		715.4				210			224		
29	4124		7679.9				222			409		
29	4125		1596				189			160		
76	4126		11789.3				472			493		
29	4127		799.4				255			377		
75	4128		669.3				99			110		
29	4129		1196.8				328			457		
19	4130		754.2				55			368		

Waste Management Instantaneous Landfill Surface Emissions Monitoring
Exceedance and Monitoring Logs

Quarter: 1ST Quarter 2023

Initial Monitoring Performed By: MIKE ORVE

Follow-up Monitoring Performed By: Shaun Hershey

Landfill Name: Simi Valley

Initial Monitoring Event				Corrective Action within 5 Days		1st 10-Day Follow-Up			1st 30-Day Follow-Up			Comments
Grid #	Flag #	Monitoring Date	Field Reading	Repair Date	Action taken to repair Exceedance	Monitoring Date	No Exceed. <500 ppm	Exceed. >500 ppm	Monitoring Date	No Exceed. <500 ppm	Exceed. >500 ppm	
194	F 34	3-25-23	10734.7			4-3-23	207		4-21-23	105		SURFACE
194	F 35	↓	780.8			↓	340		↓	210		SURFACE
196	F 36		803.9				281			199		SURFACE
199	F 37		563.9				152			109		SURFACE
199	F 38		542.7				79			42		SURFACE
188	F 39		526.5				140			79		SURFACE
183	F 40		1728.4				203			100		SURFACE
175	F 41	↓	3209.4			↓	294		↓	203		SURFACE

Waste Management Instantaneous Landfill Surface Emissions Monitoring
Exceedance and Monitoring Logs

Quarter: 1st Quarter 2023

Initial Monitoring Performed By: MIKE ORR

Follow-up Monitoring Performed By: Michael ORR

Landfill Name: Simi Valley

Initial Monitoring Event				Corrective Action within 5 Days		1st 10-Day Follow-Up			1st 30-Day Follow-Up			Comments
Grid #	Flag #	Monitoring Date	Field Reading	Repair Date	Action taken to repair Exceedance	Monitoring Date	No Exceed. <500 ppm	Exceed. >500 ppm	Monitoring Date	No Exceed. <500 ppm	Exceed. >500 ppm	
115	442	3-31-23	751			4-10-23	372		4-27-23	257		
113	443	"	586			"	409		"	431		

Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Sim. Valley Landfill

Quarter / Year:	1st QTR 2023	1ST QTR 2023	Page 1 of 1 Pages
Technician:	Mike Orue	MIKE ORUE	
Instrument:	Inspector	TVA1000	
Calibration Standard:	500ppm	500PPM	

Initial Monitoring Event					Re-Monitoring Event – 10 Days				Comments
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	Field Reading <200 ppm	Field Reading >200 ppm	
111	B11	Surface	475.2	3-13-23		3-23-23	194.3		
110	B12	Surface	429	↓		↓	156.9		
110	B13	Surface	278.6	↓		↓	78.6		
112	B14	Surface	240.7	↓		↓	106.1		
111	B15	Surface	256.7	↓		↓	153.6		

Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Simi Valley

			Page 1 of 1 Pages
Quarter / Year:	1st Quarter 2023	1ST QTR 2023	
Technician:	Mike Orue	M ORUE	
Instrument:	Inspectra	TVA 1000	
Calibration Standard:	500	500 ppm	

Initial Monitoring Event					Re-Monitoring Event – 10 Days				Comments
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	Field Reading <200 ppm	Field Reading >200 ppm	
103	B 24		335.2	3-16-23		3-25-23	169		
105	B 25		270	↓		↓	142		
80	B 26		282.5	↓		↓	91		
110	B 27		379.1	↓		↓	68		
158	B 28		300.7	↓		↓	123		
41	B 29		254.3	↓		↓	105		

Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Simi Valley

Quarter / Year:	1ST Quarter 2023	1ST QTR 2023	Page 1 of 1 Pages
Technician:	Mike Orme	Mike Orme	
Instrument:	Inspection	TVA 1000	
Calibration Standard:	500 ppm	500	

Initial Monitoring Event					Re-Monitoring Event – 10 Days				Comments
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	Field Reading <200 ppm	Field Reading >200 ppm	
21	B 30		296.3	3-17-23		3-25-23	98		
21	B 31		205.3	↓		↓	100		
24	B 32		310.2				12		
26	B 33		257.1				57		
26	B 34		204.8				172		
75	B 35		200.5				101		
75	B 36		215.3				121		
79	B 37		379.4				106		
79	B 38		279				50		
78	B 39		236.4				68		
79	B 40		261.3				79		
115	B 41		219.5	↓		↓	35		

Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: SIMI VALLEY

Quarter / Year:	1ST QTR 2023	1ST QTR 2023	Page 1 of 1 Pages
Technician:	M. ORTIZ	M. ORTIZ	
Instrument:	FASPECTRA	TVA 1000	
Calibration Standard:	500 PPM	500 PM	

Initial Monitoring Event					Re-Monitoring Event – 10 Days				Comments
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	Field Reading <200 ppm	Field Reading >200 ppm	
81	B90	SURFACE	218.90	3-18-23		3-25-23	161		
82	B91	SURFACE	230.40	↓		↓	69		
83	B92	SURFACE	236.30	↓		↓	73		

Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Sim. Valley Landfill

Quarter / Year:	1st QTR 2023				1ST QTR 2023				Page 1 of 1 Pages	
Technician:	Mike Orue				MIKE ORUE					
Instrument:	Inspectra				TVA 1000					
Calibration Standard:	500ppm				500ppm					
Initial Monitoring Event					**Re-Monitoring Event – 10 Days**				**Comments**	
Grid Number	**Flag Number**	**Location**	**Field Reading (ppm)**	**Date Monitored**	**Remedial Work**	**Date Monitored**	**Field Reading <200 ppm**	**Field Reading >200 ppm**		
45	B16	Surface	470	3-23-23		3-31-23	56.27			
11	B17	Surface	440.4				34.95			
45	B18	Surface	409.1				106			
12	B19	Surface	325.6				129			
8	B20	Surface	326.8				94.66			
12	B21	Surface	271.5				23.17			
42	B22	Surface	263.8				72.39			
44	B23	Surface	232.3				63.29			

Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Simi Valley

Quarter / Year:	1st Quarter 2023	1ST QTR 2023	Page 1 of 1 Pages
Technician:	MIKE ORTIZ	SHAWN HIGGINS	
Instrument:	INSPECTRA	TVA 1000	
Calibration Standard:	500 PPM	500 PPM	

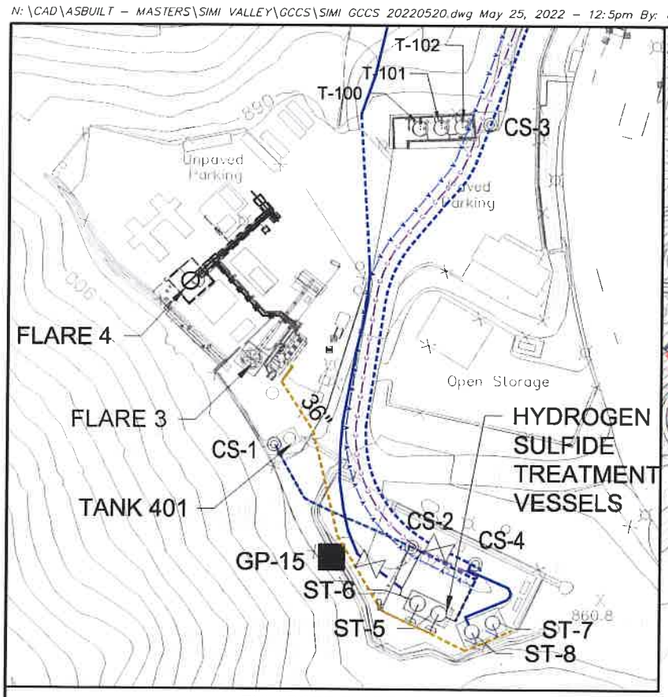
Initial Monitoring Event					Re-Monitoring Event – 10 Days				Comments
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	Field Reading <200 ppm	Field Reading >200 ppm	
149	B 42		213.5	3-25-23		4-3-23	106		SURFACE
149	B 43		216.7				98		SURFACE
149	B 44		338				76		SURFACE
165	B 45		209.9				49		SURFACE
164	B 46		372.3				101		SURFACE
172	B 47		229.3				126		SURFACE
175	B 48		493.3				159		SURFACE
177	B 49		212.1				22		SURFACE
195	B 50		224				66		SURFACE
198	B 51		296.5				31		SURFACE
198	B 52		260.8				14		SURFACE
196	B 53		353.7				109		SURFACE
194	B 54		246.3				22		SURFACE

Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Simi Valley Landfill

Quarter / Year:	1st Quarter 2023				2nd QTR 2023				Page 1 of 1 Pages	
Technician:	Michael ORue				Michael ORue					
Instrument:	Inspector				TVA1000					
Calibration Standard:	500 ppm				500ppm					
Initial Monitoring Event					**Re-Monitoring Event – 10 Days**				**Comments**	
Grid Number	**Flag Number**	**Location**	**Field Reading (ppm)**	**Date Monitored**	**Remedial Work**	**Date Monitored**	**Field Reading <200 ppm**	**Field Reading >200 ppm**		
111	B55	Surface	215.4	3-31-23		4-10-23	137			
82	B56	Surface	278.3	↓		↓	159			
80	B57	Surface	303.6	↓		↓	184			

N:\CAD\ASBUILT – MASTERS\SIMI VALLEY\GCCS\SIMI GCCS 20220520.dwg May 25, 2022 – 12:5pm By: 4018j_h



ENLARGED FLARE AREA LAYOUT
SCALE: 1"=60'

3-13-23
3-17-23
3-18-23
3-23-23
3-25-23
3-31-23

TVA 1ST QTR 2023

200 100 0 200 400 600
SCALE: 1"=200'

SYMBOL LEGEND

- ACTIVE VERTICAL WELL
- VERTICAL WELL WITH TEMPERATURE VARIANCE
- HORIZONTAL COLLECTOR WELLHEAD
- HORIZ WELL WITH TEMPERATURE VARIANCE
- CONDENSATE SUM
- REMOTE WELLHEAD
- LEACHATE RISER
- MONITORING PROBE
- VALVE
- SVE WELL
- SEM COVER PENETRATION
- BASE GRAVEL PADS
- HORIZONTAL GRAVEL PADS
- DECOMMISSIONED VERTICAL WELL
- DECOMMISSIONED HORIZONTAL WELL
- DECOMMISSIONED MONITORING PROBE
- 36" HEADER
- 24" HEADER
- 18" HEADER
- 12" HEADER
- 10" HEADER
- 8" LATERAL
- 6" LATERAL
- 4" LATERAL
- HORIZONTAL COLLECTOR - SOLID
- HORIZONTAL COLLECTOR - PERFORATED
- BELOW GRADE CONDENSATE FORCEMAIN
- ABOVE GRADE DEWATERING FORCEMAIN
- COMPRESSED AIR LINE
- REMOTE MANIFOLD
- AIR RELEASE VALVE
- CONDENSATE FORCEMAION ISOLATION VALVE
- CONDENSATE FORCEMAIN CLEANOUT
- WELL WITH PUMP AND BUBBLER
- WELL WITH BUBBLER
- PHASE BOUNDARY
- LCRS PIPE

= MONIT GRIDS
= STEEP SLOPES
= ACTIVE TRASH
= HEAVY EQUIPMENT

NOTES

1. AERIAL TOPOGRAPHY PROVIDED BY MILLER CREEK AERIAL MAPPING, DATED 2-7-22
2. EXISTING GCCS AS-BUILTS DATED 5-12-2022
3. BOUNDARY DATA IS PROVIDED BY WM AND NAMED "ACAD-JTD BOUNDARIES WITH 3-5 SUBPHASES"

DRAWING NO: 3 of 3
SCALE: AS SHOWN
DATE: 05-25-2022

SCS ENGINEERS
ENVIRONMENTAL CONSULTANTS
3900 KILROY AIRPORT WAY, SUITE 100
LONG BEACH, CA 90806
PH. (562) 426-9544 FAX. (562) 427-0805

PROJ. NO. | DWN. BY. | ACAD FILE:
CHK. BY: | CHK. BY: | APP. BY:

CLIENT: WASTE MANAGEMENT

SHEET TITLE: SEM PENETRATION MAP

PROJECT TITLE:
SIMI VALLEY LANDFILL AND RECYCLING CENTER
2801 MADERA ROAD
SIMI VALLEY, CALIFORNIA 93065

NO.	REVISION	DATE

SIMI VALLEY LANDFILL

1ST QUARTER 2023 PERIMETER SWEEPS

Legend

- DOWNWIND
- INACCESSIBLE
- UPWIND

SCS ENGINEERS
ENVIRONMENTAL CONSULTANTS

WASTE MANAGEMENT

DOWNWIND

UPWIND

FLARE 4
FLARE 3
TANK 401
CS-1
GP-15
ST-6
ST-5
CS-2
CS-4
ST-7
ST-8
CS-3
HYDROGEN SULFIDE TREATMENT VESSELS
ENLARGED FLARE AREA LAYOUT

Attachment B

Integrated Surface Emission Monitoring Event Records

SIMI VALLEY LANDFILL
INTEGRATED LANDFILL SURFACE MONITORING

Personnel: G. ROBLES, A. LOPEZ, T. CARSON, N. JAMERSON, G. LOPEZ, K. WALLEN, M. DOMINEC

Cal. Gas Exp. Date: 3/25

Date: 3-23-23 Instrument Used: INSPECTRA Grid Spacing: 25'

Temperature: 48° Precip: 0 Upwind BG: 1.6 Downwind BG: 2.3

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM		WIND INFORMATION			REMARKS
						AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
10	GR	1125	1130	1.65		4	6	8	Vege
9	GR	1200	1215	2.86		4	7	8	Vege
8	GR	1248	1258	4.47		5	9	7	Vege
7	GR	1222	1245	3.24		4	6	8	Vege
18	NJ	1135	1145	5.72		4	6	8	Vege
17	NJ	1151	1201	5.62		4	6	7	Vege
-	-	-	-	-					-
.	.	.	.	.					
22	KW	1122	1126	7.90		4	6	8	muddy slope
34	KW	1132	1135	5.43		4	6	7	muddy slope
35	KW	1141	1153	10.94		4	6	7	muddy slope
21	KW	1154	1159	5.45		4	6	8	muddy slope
20	KW	1203	1204	6.49		4	6	7	muddy slope
36	KW	1208	1209	9.23		4	7	6	muddy slope
37	KW	1210	1211	3.60		4	7	8	muddy slope
19	KW	1215	1221	4.73		4	6	8	muddy slope
14	AL	1143	1148	6.65		4	6	8	vege
42	AL	1154	1159	10.73		4	6	8	Veg
43	AL	1200	1205	23.09		4	6	7	Veg
13	AL	1206	1211	9.96		4	7	8	Veg
12	AL	1212	1217	13.10		4	7	8	Veg
44	AL	1219	1224	17.32		4	6	8	Veg
45	AL	1225	1230	60.28		4	7	10	Veg
11	AL	1232	1237	18.47		3	5	10	Veg
6	GL	1128	1145	2.12		4	6	8	
5	GL	1150	1237	1.81		3	5	9	
4	GL	1254	1310	1.63		5	9	7	
3	GL	1220	1230	1.37		4	6	8	
79	MD	1132	1139	2.29		4	6	7	Busy Road
28	MD	1146	1152	2.11		4	6	7	Busy Road

Attach Calibration Sheet
Attach site map showing grid ID

SIMI VALLEY LANDFILL
INTEGRATED LANDFILL SURFACE MONITORING

Personnel: G. Robles, A. Lopez, T. Carsew, N. Jammesow, G. Lopez, K. Wallen, M. Dominez

Cal. Gas Exp. Date: 3/25

Date: 3-23-23 Instrument Used: Inspector RX Grid Spacing: 25'

Temperature: 48° Precip: 0 Upwind BG: _____ Downwind BG: _____

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM		WIND INFORMATION			REMARKS
						AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
27	MD	1153	1203	1.43		4	7	6	TRASH Road
29	MD	1205	1212	1.59		4	7	8	STEEP Slope & Veg
78	MD	1219	1224	1.89		4	6	8	Steep Slope & Veg
77	MD	1226	1235	2.48		3	5	10	TRASH Road
30	MD	1239	1245	2.47		4	6	8	Veg
26	MD	1247	1312	2.55		5	9	7	Muddy
25	TC	1122	1141	4.86		4	6	8	Veg
31	TC	1145	1157	3.75		4	6	7	Veg
76	TC	1159	1204	3.85		4	6	7	Veg
75	TC	1205	1220	4.14		4	6	8	Veg
32	TC	1226	1236	4.34		3	5	10	Veg
24	TC	1248	1259	4.58		5	10	7	Veg/muddy
23	TC	1304	1320	4.39		5	8	8	

Attach Calibration Sheet
Attach site map showing grid ID

SIMI VALLEY LANDFILL
INTEGRATED LANDFILL SURFACE MONITORING

Personnel: G. ROBLES
M. DOMINGUEZ
L- BERNZWORT

Cal. Gas Exp. Date: 3/25

Date: 3-24-23 Instrument Used: INSPECTRA Grid Spacing: 25'

Temperature: 45° Precip: 0 Upwind BG: 1.9 Downwind BG: 2.5

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM		WIND INFORMATION			REMARKS
						AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
105	GR	0746	0801	11.13		0	1	14	Veg
106	GR	0801	0820	11.33		1	2	8	Veg
90	GR	0823	0834	11.67		1	1	10	Stock Pile
89	GR	0834	0845	11.86		1	2	8	Obstruction
88	GR	~~0853~~ 0853	0910	11.85		1	3	8	Obstruction
87	GR	0913	0924	11.34		1	2	2	Obstruction
108	GR	0940	0950	11.72		4	6	4	Veg
109	GR	0951	0956	11.72		4	6	2	Veg
107	GR	1000	1015	11.91		3	6	2	Obstruction
55	MD	0720	0733	9.49		1	2	4	WATER/Veg
56	MD	0739	0756	5.62		0	1	14	Veg
57	MD	0757	0803	22.76		0	1	14	Veg
58	MD	0804	0812	6.03		0	0	12	Veg
59	MD	0815	0822	6.60		0	1	10	Veg
60	MD	0823	0830	7.88		1	1	10	Veg
61	MD	0834	0845	5.21		1	2	6	Veg
									Veg
									Veg
91	MD	0937	0942	3.79		1	3	4	Puddle / Active Road
83	MD	1005	1015	9.06		3	6	2	

Attach Calibration Sheet
Attach site map showing grid ID

SIMI VALLEY LANDFILL
INTEGRATED LANDFILL SURFACE MONITORING

Personnel: G. Robles, K. Wallen, N. Jamerson, M. Dominguez, T. Carson, G. Lopez, L. Betancourt, A. Lopez
Cal. Gas Exp. Date: 3/25

Date: 3-24-23 Instrument Used: TASPECPID2 Grid Spacing: 25'

Temperature: 45° Precip: 0 Upwind BG: _____ Downwind BG: _____

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM		WIND INFORMATION			REMARKS
						AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
98	KW	0723	0732	13.88		1	2	4	Veg
99	KW	0735	0742	18.48		1	2	4	Veg
100	KW	0743	0752	31.24		0	1	14	Veg
97	KW	0758	0816	92.71		0	0	12	Veg
96	KW	0814	0830	17.63		1	1	10	Veg
95	KW	0832	0846	10.48		1	2	6	Veg
101	KW	0850	0857	7.71		1	3	6	Veg
102	KW	0857	0912	20.11		1	3	6	Veg
94	KW	0919	0932	13.35		1	2	2	Veg
112	KW	0946	0957	12.19		4	6	3	Active TRASH
41	TC	0732	0757	6.60		0	1	14	Veg
40	TC	0759	0825	8.94		1	1	10	Veg
39	TC	0827	0851	2.52		1	2	6	STEEP SLOPE
38	TC	0852	0917	2.61		2	3	3	Rock Pile
69	TC	0925	0950	3.96		4	6	3	
68	TC	0951	1011	4.86		3	6	2	High Veg
67	TC	1015	1033	5.36		2	5	12	Veg
66	TC	1035	1050	3.73		3	5	16	
62	AL	0753	0758	24.77		0	1	14	Veg
63	AL	0801	0815	15.74		0	0	12	Veg
93	AL	0818	0823	8.19		1	1	10	Muddy
103	AL	0827	0832	16.46		1	1	10	Muddy & Veg
104	AL	0835	0845	23.31		1	2	6	Muddy & Veg
92	AL	0849	0859	2.17		1	3	6	Muddy
64	AL	0903	0923	3.49		1	2	2	WATER
65	AL	0931	0946	3.93		1	3	4	Veg

Attach Calibration Sheet
Attach site map showing grid ID

SIMI VALLEY LANDFILL
INTEGRATED LANDFILL SURFACE MONITORING

Personnel: G. Robles, K. Wallens, N. Jamerson, M. Dominguez, T. Carson, G. Lopez, L. Betancourt, A. Lopez

Cal. Gas Exp. Date: 3/25

Date: 3-24-23 Instrument Used: TVA-Octavia Grid Spacing: 25'

Temperature: 45° Precip: 0 Upwind BG: ______ Downwind BG: ______

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM		WIND INFORMATION AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	REMARKS
110	GL	0743	0804	4.32		0	1	14	
86	GL	0811	0836	4.09		1	1	10	
70	GL	0854	0919	3.62		1	3	8	
71	GL	0926	0950	3.55		1	3	4	
84	GL	1016	1028	4.46		2	5	12	
72	GL	1035	1050	1.80		3	5	10	

Attach Calibration Sheet
Attach site map showing grid ID

Page 3 of 3

SIMI VALLEY LANDFILL
INTEGRATED LANDFILL SURFACE MONITORING

Personnel: G. Robles, G. Lopez, K. Wallen, N. Jamerson, A. Lopez, L. Betancourt, T. Carlson

Cal. Gas Exp. Date: 3/25

Date: 3-25-23 Instrument Used: Inspector Grid Spacing: 25'

Temperature: 47° Precip: 0 Upwind BG: 1.2 Downwind BG: 2.6

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM		WIND INFORMATION			REMARKS
						AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
181	GR	0930	0940	8.89		2	3	3	Heavy Equipment
190	GR	0940	0955	3.13		2	2	2	obstruction
189	GR	0956	1010	3.13		2	3	2	obstruction
188	GR	1010	1025	13.41		1	2	2	mulch
183	GR	1026	1036	10.83		2	2	1	obstruction
182	GR	1037	1047	2.68		2	5	6	Mud / Heavy Equip
149	GL	1005	1017	25.86		1	2	16	
148	GL	1019	1026	8.00		1	2	2	
185	GL	1030	1044	15.89		2	5	5	
186	GL	1046	1056	3.12		2	6	8	
187	GL	1058	1110	3.43		5	9	6	
184	GL	1112	1132	20.76		3	6	6	
173	KW	0751	0807	7.01		3	5	13	
198	KW	0810	0821	7.66		4	6	13	steep slope
197	KW	0824	0833	7.83		1	3	14	steep slope
174	KW	0833	0848	5.77		0	1	6	steep slope
175	KW	0850	0901	6.95		1	2	6	Heavy Equipment
180	NJ	0913	0923	6.20		2	2	4	muddy
191	NJ	0924	0934	4.08		2	2	6	muddy
192	NJ	0935	0945	3.77		2	3	3	muddy
193	NJ	0948	0958	5.33		2	2	2	muddy
177	AL	0916	0921	14.45		2	2	4	muddy
194	AL	0923	0938	14.00		2	3	3	muddy / Liner
195	AL	0939	0954	8.01		2	2	2	TRASH
196	AL	0955	1001	14.16		2	2	2	TRASH / muddy
176	AL	1009	1024	7.34		1	2	2	muddy
161	LB	0905	0920	11.35		2	2	4	Liner
159	LB	0926	0935	11.25		2	3	3	Liner
160	LB	0935	0950	11.16		2	2	2	muddy
162	LB	0950	1005	11.12		2	2	2	Muddy

Attach Calibration Sheet
Attach site map showing grid ID

SIMI VALLEY LANDFILL
INTEGRATED LANDFILL SURFACE MONITORING

Personnel: G. Robles, G. Lopez, K. Wallen, N. James, A. Lopez, L. Betancourt, T. Carson

Cal. Gas Exp. Date: 3/25

Date: 3-25-23 Instrument Used: Inspector Grid Spacing: 25'

Temperature: 47° Precip: 0 Upwind BG: _____ Downwind BG: _____

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM		WIND INFORMATION			REMARKS
						AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
167	LB	1005	1020	10.52		1	2	2	muddy
169	TC	0905	0915	6.51		2	2	4	Active
170	TC	0917	0925	5.25		2	2	4	Active
171	TC	0928	0934	9.92		2	3	3	Active
200	TC	0930	0945	3.68		2	3	3	Active
199	TC	0950	0955	6.50		2	2	2	Active
172	TC	0958	1013	8.42		2	3	2	

Attach Calibration Sheet
Attach site map showing grid ID

SIMI VALLEY LANDFILL
INTEGRATED LANDFILL SURFACE MONITORING

Personnel: MIORUE _____ _____ _____

_____ _____ _____

_____ _____ Cal. Gas Exp. Date: _____

Date: 3-25-23 Instrument Used: _____ Grid Spacing: _____

Temperature: _____ Precip: _____ Upwind BG: _____ Downwind BG: _____

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM	ROTO-MTR, CC/MIN	WIND INFORMATION			REMARKS
						AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
123									STEEP Slopes/Liner
124									
125									
126									
127									
128									
129									
130									
131									
132									
133									
134									
150									
151									
152									
153									
154									
155									
156									
168									
201									
202									
203									
114									Heavy Equipment
120									
119									
118									
138									
139									
140									

Attach Calibration Sheet
Attach site map showing grid ID

SIMI VALLEY LANDFILL
INTEGRATED LANDFILL SURFACE MONITORING

Personnel: M. ORUE _____ _____ _____

_____ _____ _____

_____ _____ Cal. Gas Exp. Date: _____

Date: 3-25-23 Instrument Used: _____ Grid Spacing: _____

Temperature: _____ Precip: _____ Upwind BG: _____ Downwind BG: _____

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM	ROTO-MTR, CC/MIN	WIND INFORMATION			REMARKS
						AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
141									Heavy Equipment
142									
147									
146									
122									Active TRASH
121									
117									
116									
135									
136									
137									
157									
158									
163									
164									
165									
166									
178									
179									

Attach Calibration Sheet
Attach site map showing grid ID

SIMI VALLEY LANDFILL
INTEGRATED LANDFILL SURFACE MONITORING

Personnel: M. Dominguez, J. Medina, G. Lopez, J. Carson

Cal. Gas Exp. Date: 3/25

Date: 3-31-23 Instrument Used: Inspector Grid Spacing: 25FT

Temperature: 43° Precip: 0 Upwind BG: 1.3 Downwind BG: 2.4

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM		WIND INFORMATION			REMARKS
						AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
111	MD	0745	0754	11.10		5	8	10	Muddy
113	MD	0755	0808	18.20		7	11	10	Active Road / Active TRASH
82	MD	0816	0821	14.59		5	7	11	
81	MD	0822	0828	16.35		5	7	12	
74	MD	0835	0843	1.66		5	7	12	Rock Pile
73	MD	0844	0902	1.82		5	6	12	Rock Pile
33	MD	0903	0914	1.98		3	4	13	Vege
85	MD	0938	0947	1.70		4	5	2	Rocks & TRASH
144	GL	0739	0800	3.87		5	9	10	Vege / Active TRASH
143	GL	0812	0826	7.94		5	8	12	Vege / Active Road
115	GL	0828	0848	13.98		4	5	12	Vege Muddy
80	GL	0857	0917	7.98		3	4	13	Vege
50	TC	0727	0734	8.18		3	5	8	Vege
49	TC	0738	0748	6.30		5	9	10	Vege
48	TC	0750	0805	6.87		7	11	10	Vege
47	TC	0806	0818	3.55		5	7	11	Vege
46	TC	0820	0835	2.63		5	7	12	Vege
15	TC	0850	0908	2.02		5	6	12	Vege
16	TC	0910	0925	1.53		3	4	16	Vege
1	JM	0722	0748	3.75		5	8	10	Vege
2	JM	0745	0800	2.15		5	9	10	Vege
54	JM	0810	0812	2.94		6	9	10	Vege
53	JM	0815	0830	2.26		5	7	12	Vege
52	JM	0830	0858	2.27		5	6	12	Vege
51	JM	0906	0923	1.60		3	5	16	Vege

Attach Calibration Sheet
Attach site map showing grid ID

SIMI VALLEY LANDFILL
INTEGRATED LANDFILL SURFACE MONITORING

Personnel: MORG _____ _____ _____

_____ _____ _____

_____ _____ Cal. Gas Exp. Date: _____

Date: 3-31-23 Instrument Used: _____ Grid Spacing: _____

Temperature: _____ Precip: _____ Upwind BG: _____ Downwind BG: _____

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM	ROTO-MTR, CC/MIN	WIND INFORMATION			REMARKS
						AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
145									ACTIVE TRASH

Attach Calibration Sheet
Attach site map showing grid ID

Page 1 of 1

Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: SIMI VALLEY

Quarter / Year:	1ST QTR 2023	1ST QTR 2023							
Technician:	M. ORUE	M. ORUE							
Instrument:	INSPECTRA	TVA1000							
Calibration Standard:	500 PPM	500PPM							
Initial Monitoring Event			**First Re-Monitoring Event – 10 Days**				**Second Re-Monitoring Event – 10 Days**			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm
GRID 45	60.28	3-23-23		3-31-23	7.10					

Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: SIMI VALLEY

Page 1 of 1 Pages

Quarter / Year:	1ST QTR 2023	1st QTR 2023	
Technician:	MIGUEL	Shawn Hershey	
Instrument:	INSPECTRA	TVA 1000	
Calibration Standard:	500 PPM	25 PPM	

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm
GRID 97	92.71	3-24-23		4-3-23	23					
GRID 110	27.18	↓		↓	19					
GRID 100	31.24	↓		↓	22					

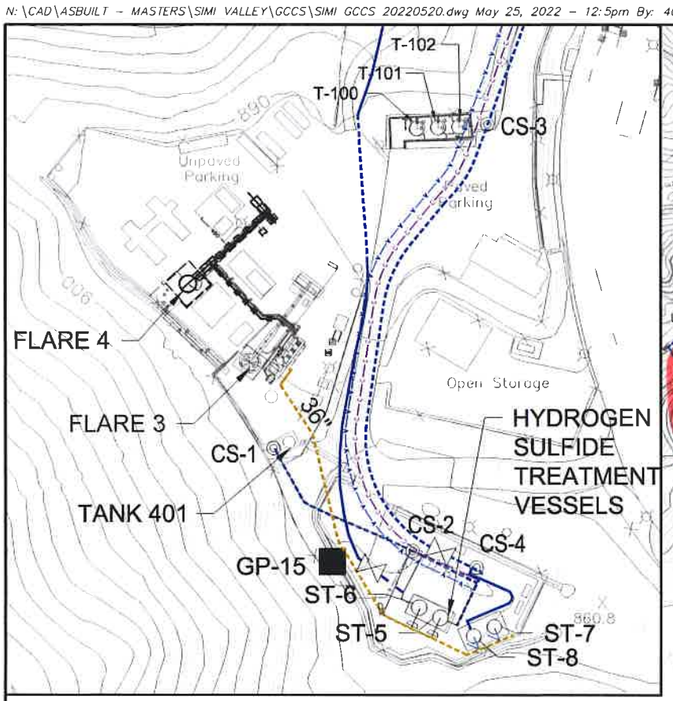
Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: SIMI VALLEY

Quarter / Year:	1ST QTR 2023	1ST QTR 2023	
Technician:	M. ORUE	SIDNEY HENSHAW	
Instrument:	INSPECTOR	TVA 1000	
Calibration Standard:	500 PPM	25 ppm	

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm
GRID 149	25.86	3-25-23		4-3-23	15					

N:\CAD\ASBUILT - MASTERS\SIMI VALLEY\GCCS\SIMI GCCS 20220520.dwg May 25, 2022 - 12:5pm By: 4018j_h



ENLARGED FLARE AREA LAYOUT
SCALE: 1"=60'

3-23-23
3-24-23
3-25-23
3-31-23

ISS 1ST QTR 2023

200 100 0 200 400 600
SCALE: 1"=200'

SYMBOL LEGEND

- ACTIVE VERTICAL WELL
- VERTICAL WELL WITH TEMPERATURE VARIANCE
- HORIZONTAL COLLECTOR WELLHEAD
- HORIZ WELL WITH TEMPERATURE VARIANCE
- CONDENSATE SUMP
- REMOTE WELLHEAD
- LEACHATE RISER
- MONITORING PROBE
- VALVE
- SVE WELL
- SEM COVER PENETRATION
- BASE GRAVEL PADS
- HORIZONTAL GRAVEL PADS
- DECOMMISSIONED VERTICAL WELL
- DECOMMISSIONED HORIZONTAL WELL
- DECOMMISSIONED MONITORING PROBE
- 36" HEADER
- 24" HEADER
- 18" HEADER
- 12" HEADER
- 10" HEADER
- 8" LATERAL
- 6" LATERAL
- 4" LATERAL
- HORIZONTAL COLLECTOR - SOLID
- HORIZONTAL COLLECTOR - PERFORATED
- BELOW GRADE CONDENSATE FORCEMAIN
- ABOVE GRADE DEWATERING FORCEMAIN
- COMPRESSED AIR LINE
- REMOTE MANIFOLD
- AIR RELEASE VALVE
- CONDENSATE FORCEMAION ISOLATION VALVE
- CONDENSATE FORCEMAIN CLEANOUT
- WELL WITH PUMP AND BUBBLER
- WELL WITH BUBBLER
- PHASE BOUNDARY
- LCRS PIPE

= MOW LANES
= STEEP SLOPES
= ACTIVE TRUCK
HEAVY EQUIPMENT

NOTES:

1. AERIAL TOPOGRAPHY PROVIDED BY MILLER CREEK AERIAL MAPPING, DATED 2-7-22
2. EXISTING GCCS AS-BUILTS DATED 5-12-2022
3. BOUNDARY DATA IS PROVIDED BY WM AND NAMED "ACAD-JTD BOUNDARIES WITH 3-5 SUBPHASES"

DRAWING NO: 3 of 3
SCALE: AS SHOWN
DATE: 05-25-2022

SCS ENGINEERS
ENVIRONMENTAL CONSULTANTS
3900 KILROY AIRPORT WAY, SUITE 100
LONG BEACH, CA 90806
PH. (562) 426-9544 FAX. (562) 427-0805

PROJ. NO. | DWN. BY: | ACAD. FILE:
DSN. BY: | CHK. BY: | APP. BY:

CLIENT: WASTE MANAGEMENT

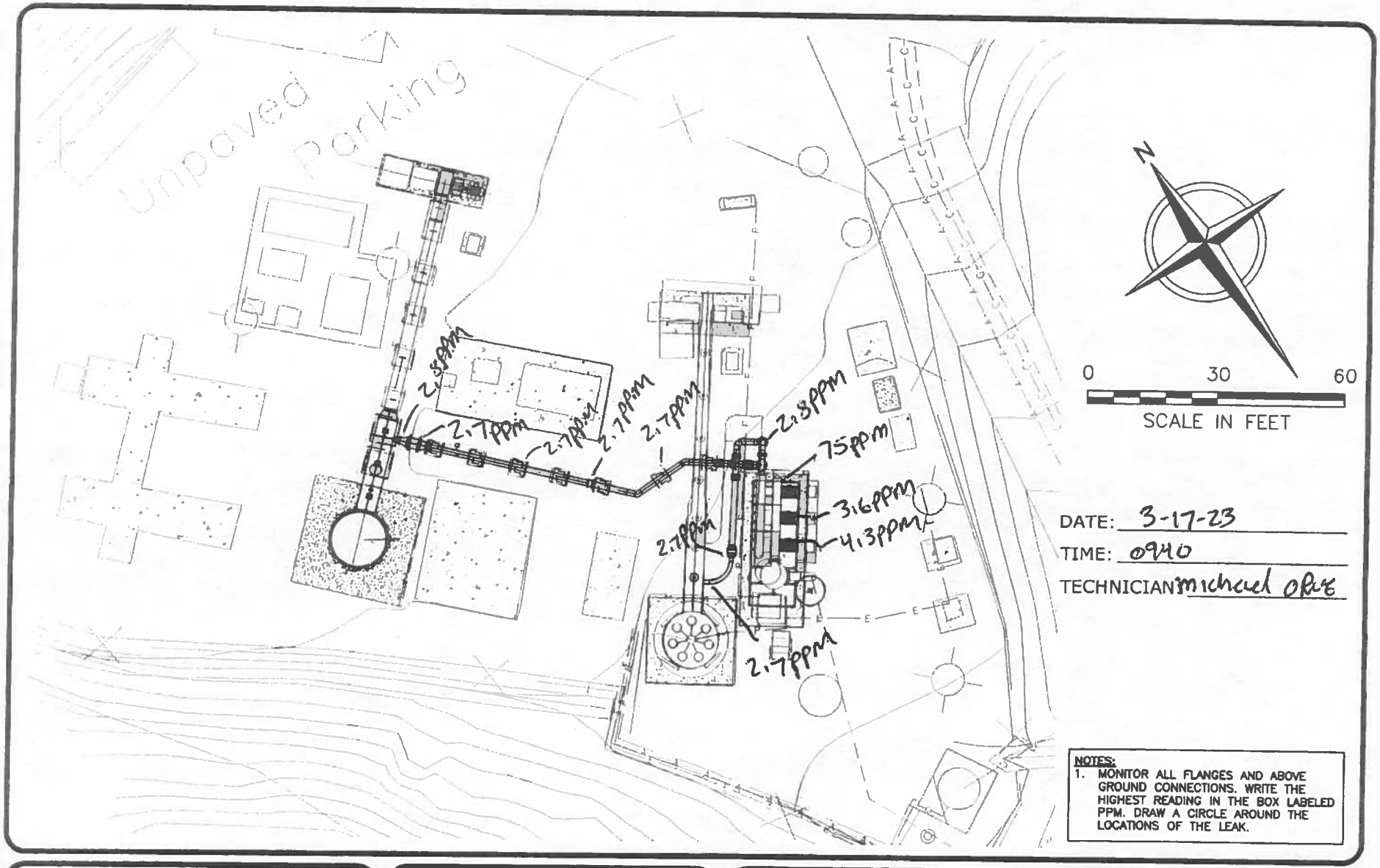
SHEET TITLE: SEM PENETRATION MAP

PROJECT TITLE:
SIMI VALLEY LANDFILL AND RECYCLING CENTER
2801 MADERA ROAD
SIMI VALLEY, CALIFORNIA 93065

NO.	REVISION	DATE
1		
2		
3		
4		
5		

Attachment C

Component Leak Monitoring Event Records



DATE: 3-17-23

TIME: 0940

TECHNICIAN: Michael Ortiz

NOTES:

1. MONITOR ALL FLANGES AND ABOVE GROUND CONNECTIONS. WRITE THE HIGHEST READING IN THE BOX LABELED PPM. DRAW A CIRCLE AROUND THE LOCATIONS OF THE LEAK.

TETRA TECH

ALL PROFESSIONAL ENGINEERING WORK IS PERFORMED BY DULY LICENSED PROFESSIONAL ENGINEERS UNDER THE APPROPRIATE STATE REGISTERED PROFESSIONAL ENTITY.

SIMI VALLEY LANDFILL AND RECYCLING CENTER SIMI VALLEY, CALIFORNIA

SEM RESULTS - FLARE STATION

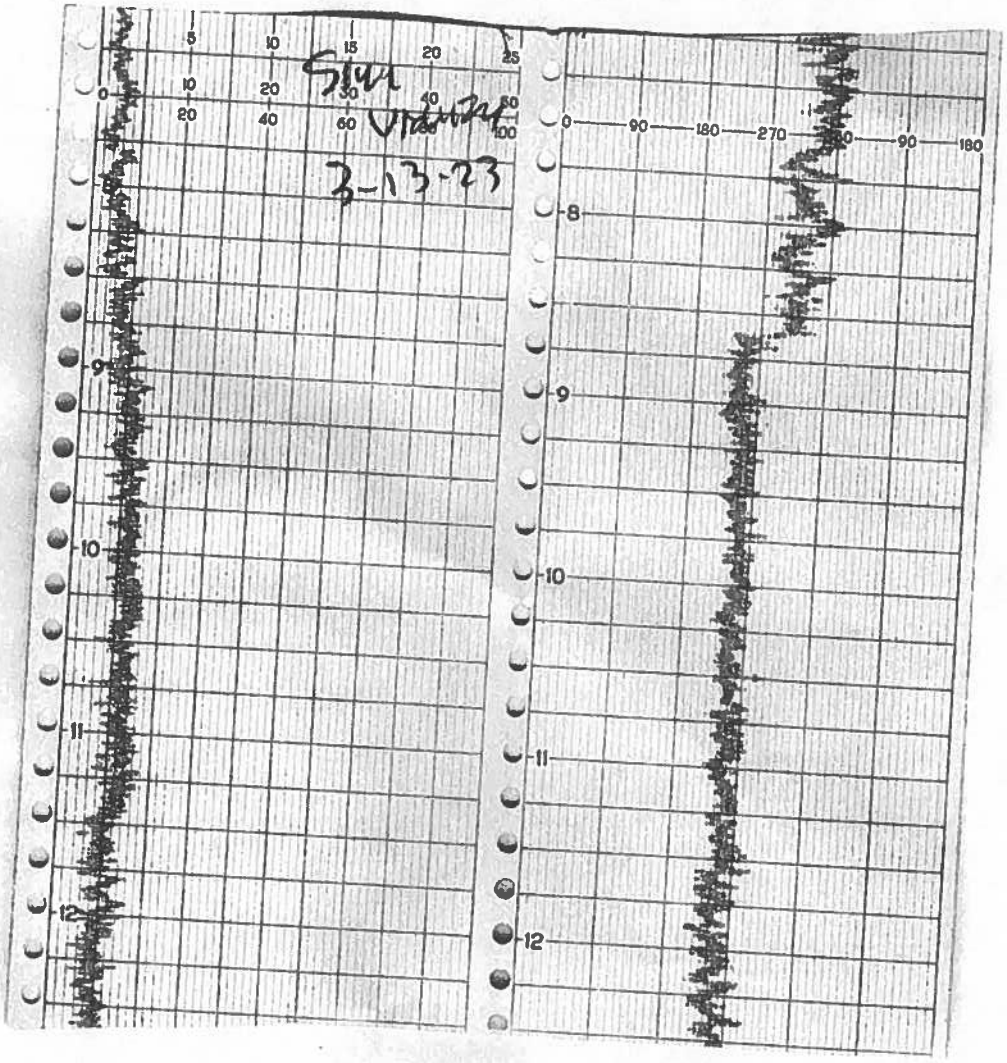
FIGURE NO. 1

PROJECT NO. 200026

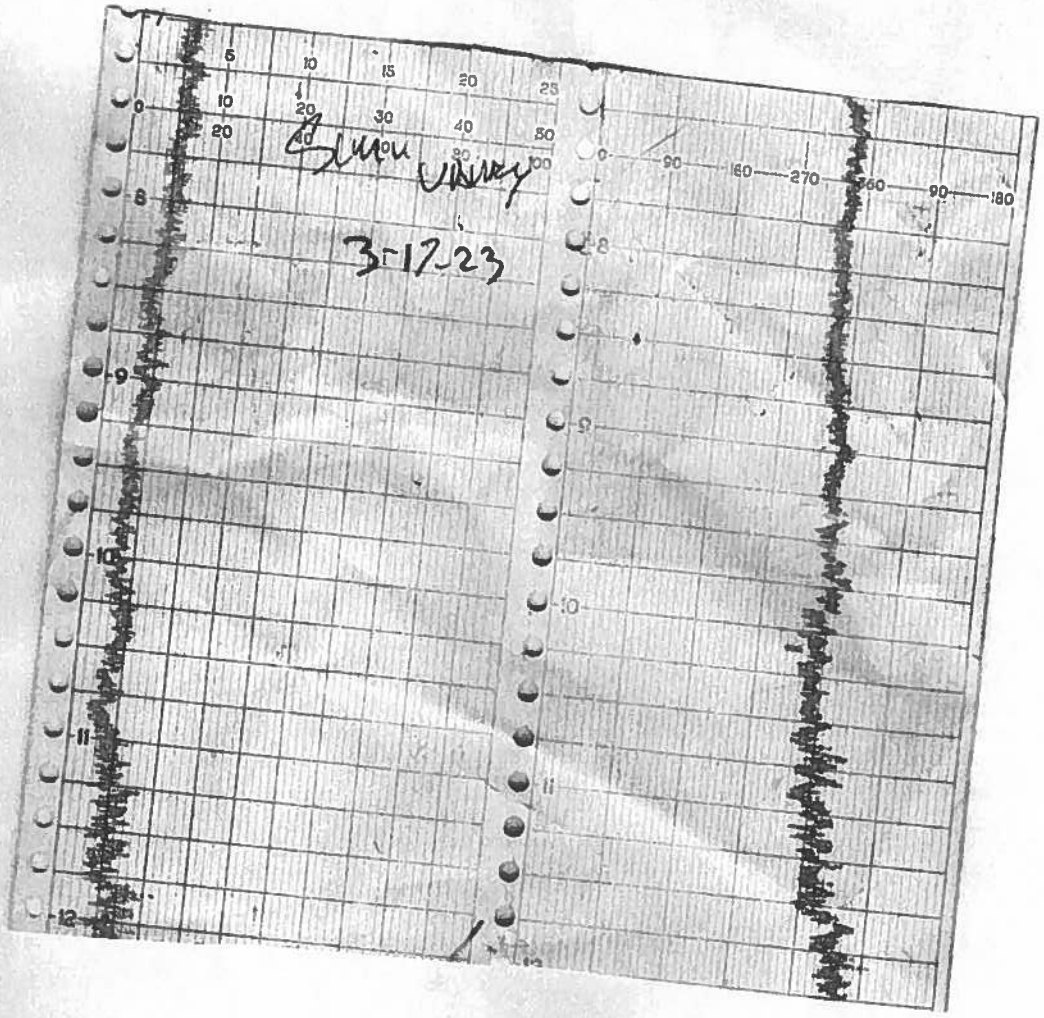
Attachment D

Weather Station Data

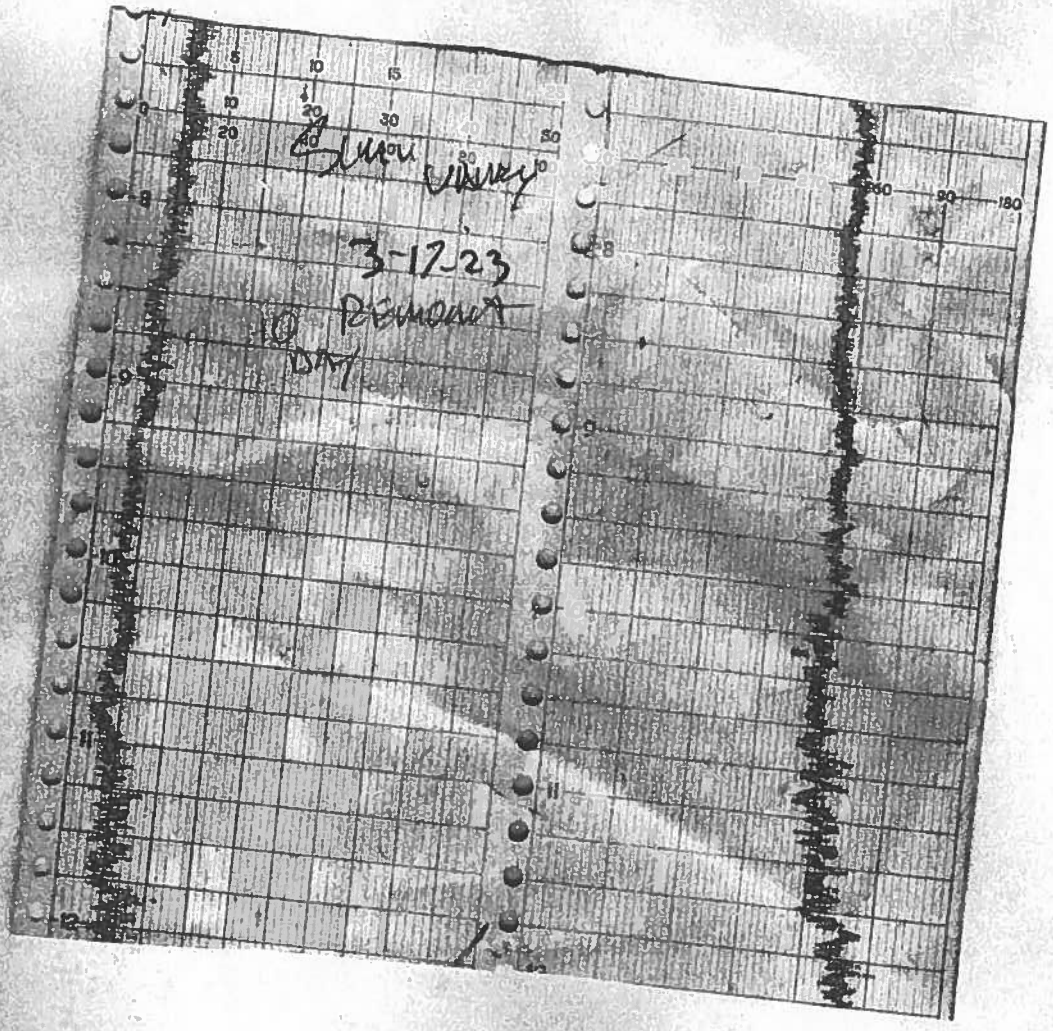
WIND SPEED & DIRECTION CHART ROLL



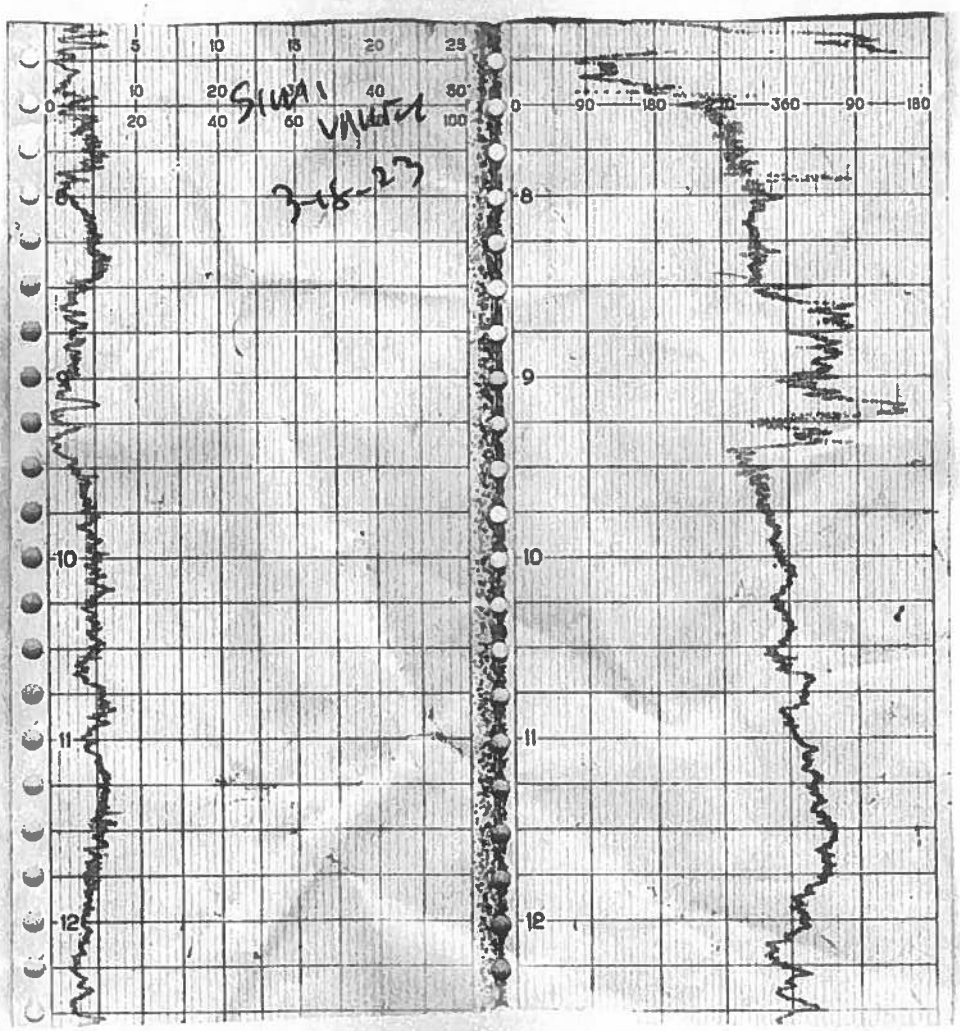
WIND SPEED & DIRECTION CHART ROLL



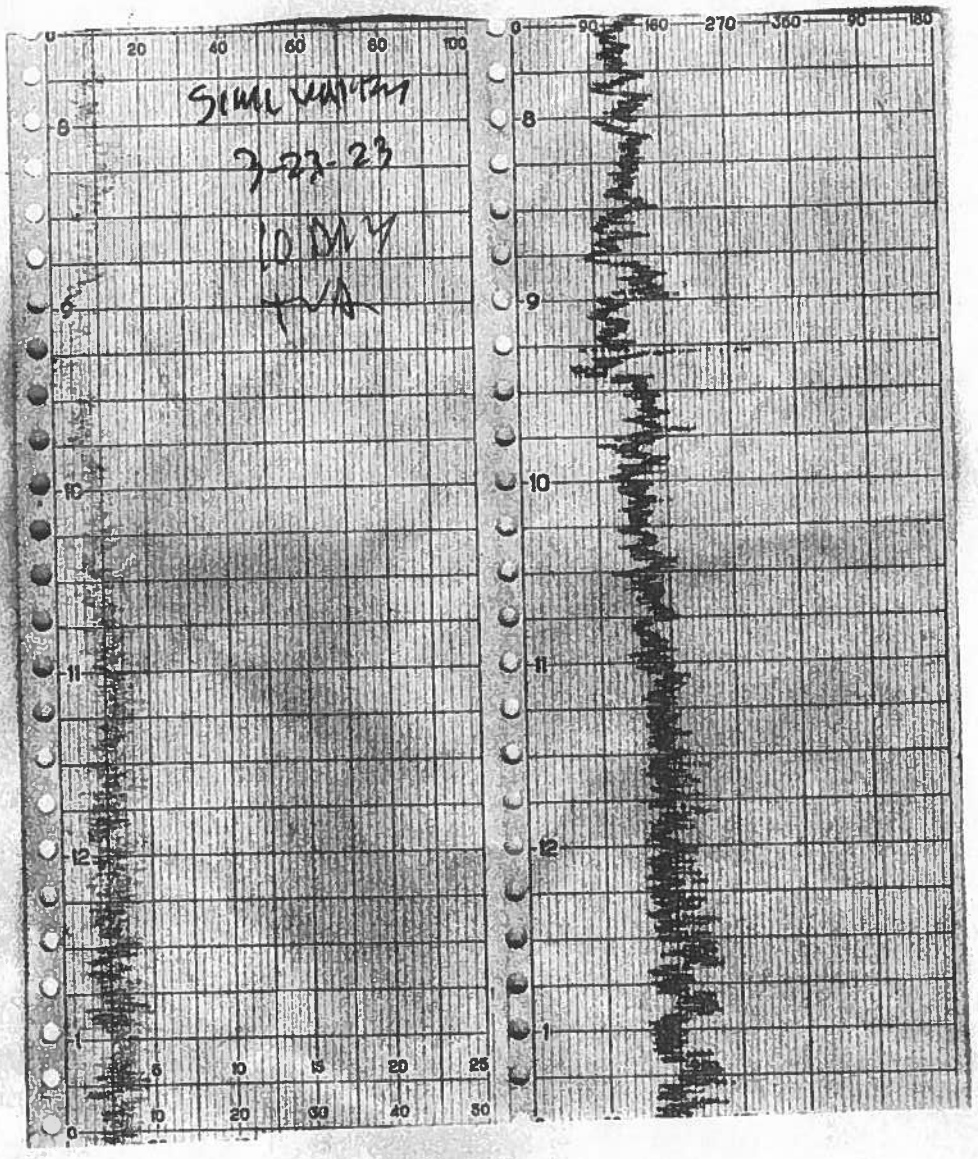
WIND SPEED & DIRECTION CHART ROLL



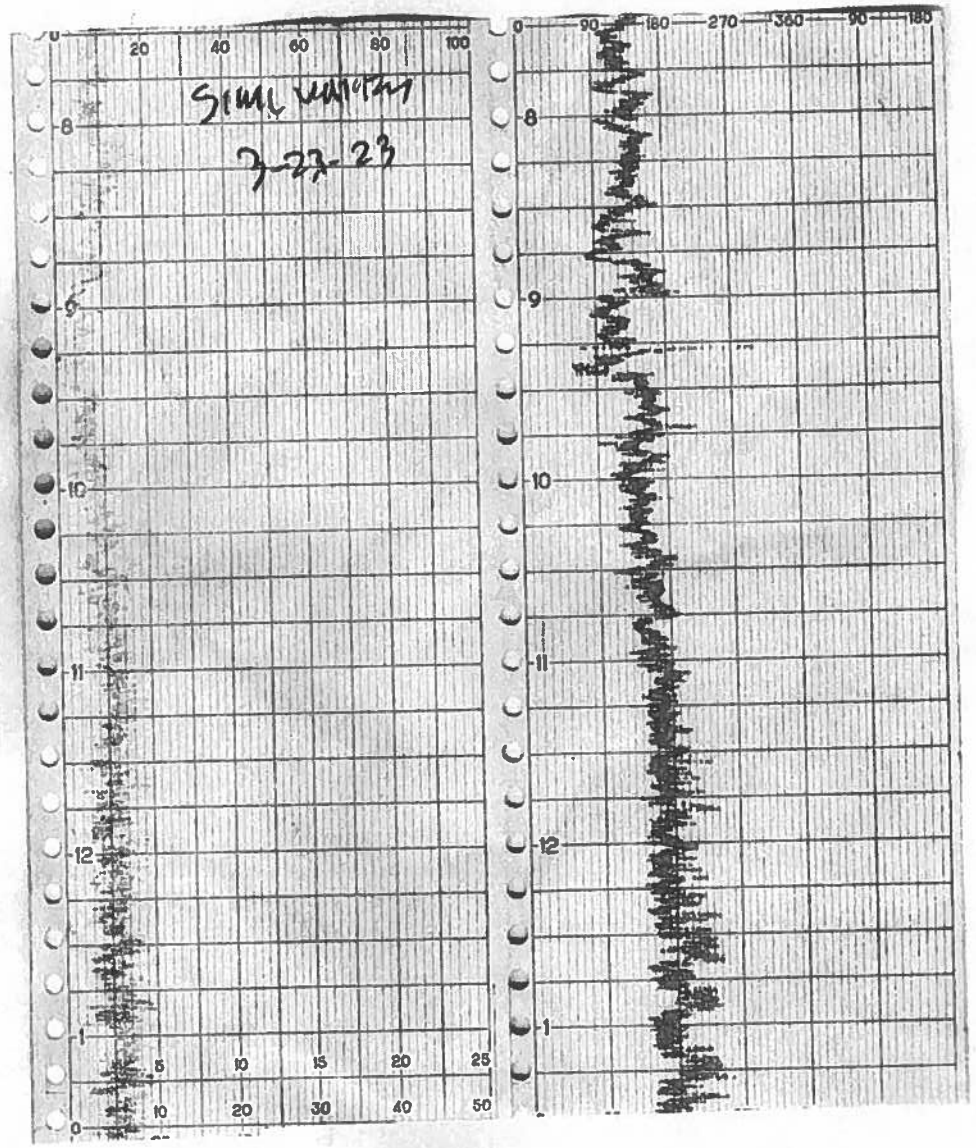
WIND SPEED & DIRECTION CHART ROLL



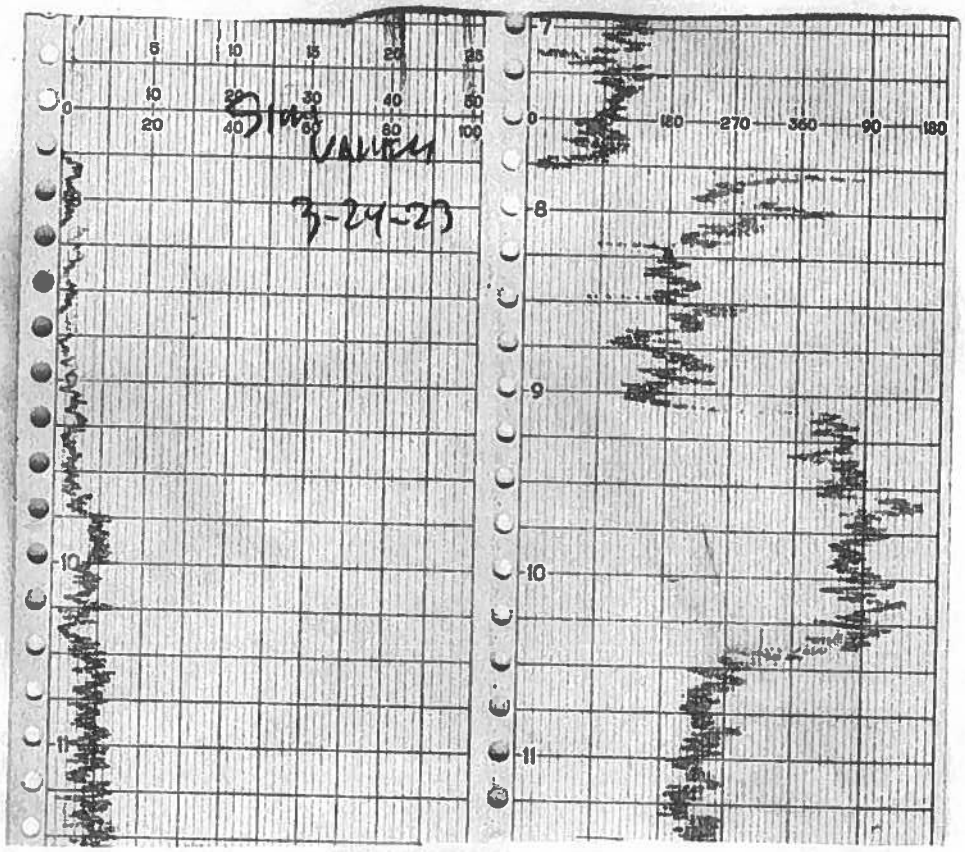
WIND SPEED & DIRECTION CHART ROLL



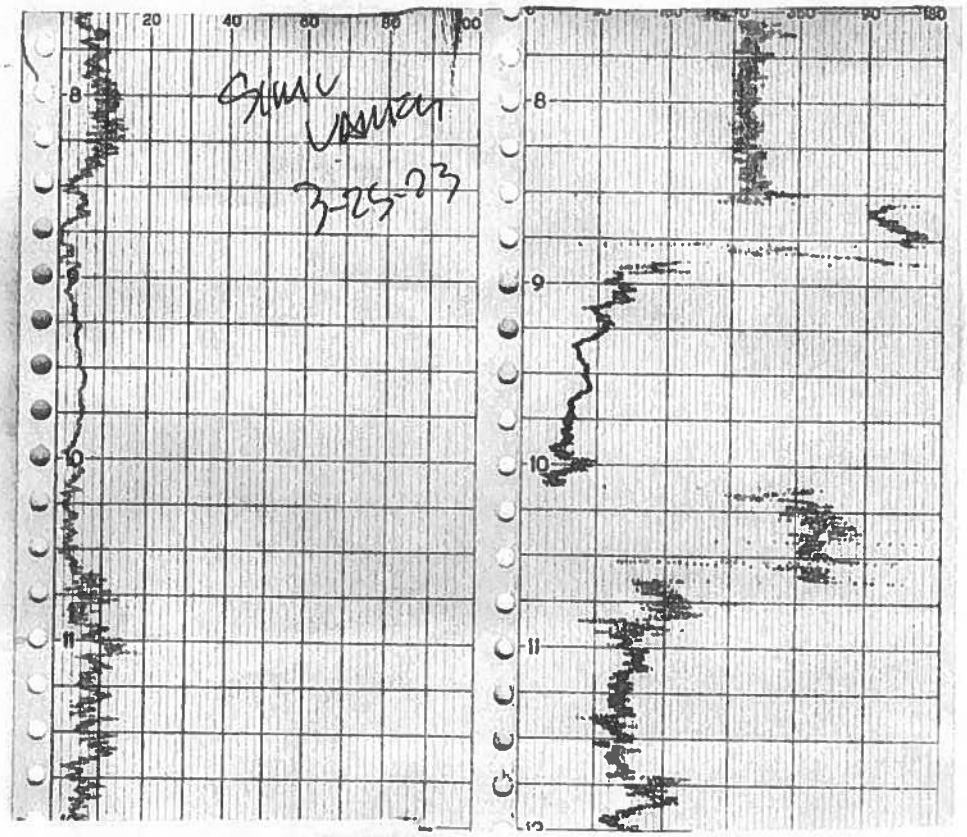
WIND SPEED & DIRECTION CHART ROLL



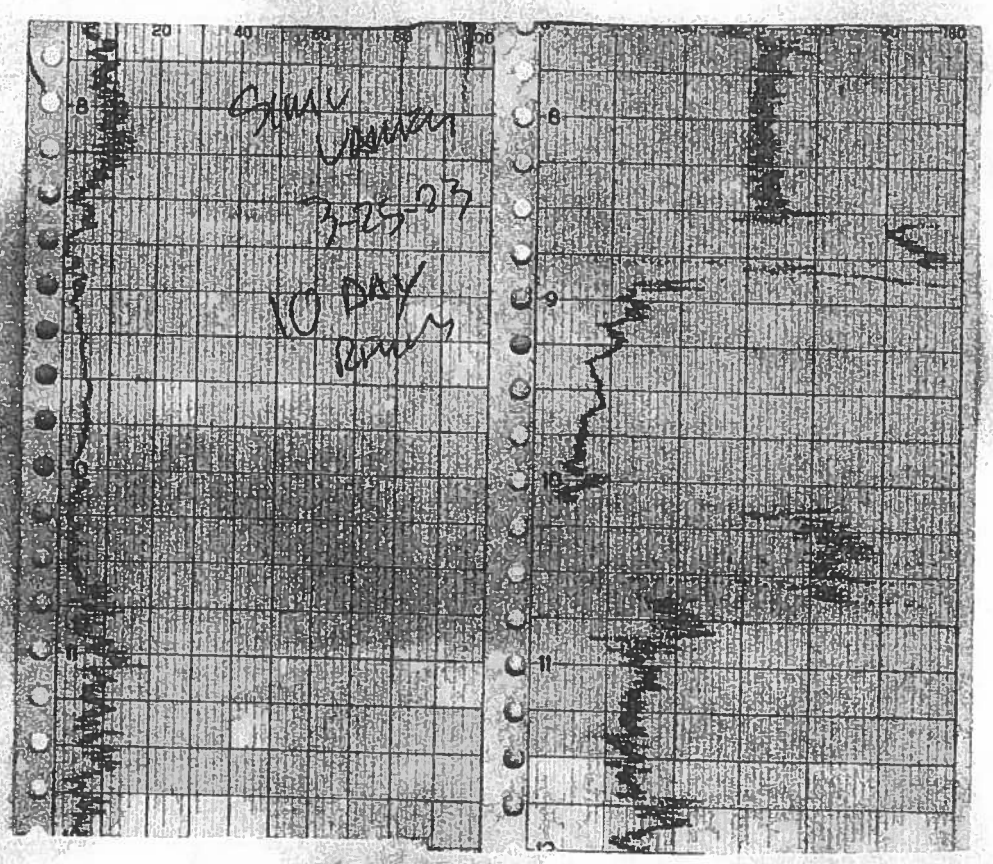
WIND SPEED & DIRECTION CHART ROLL



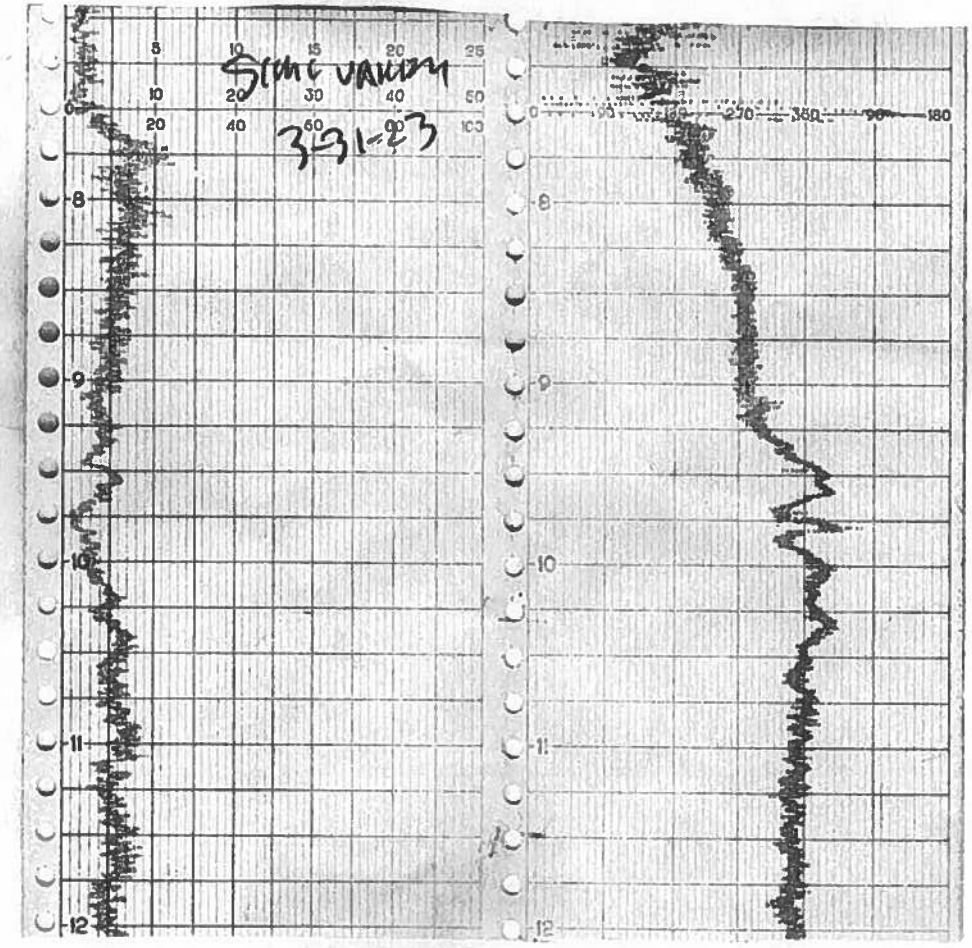
WIND SPEED & DIRECTION CHART ROLL



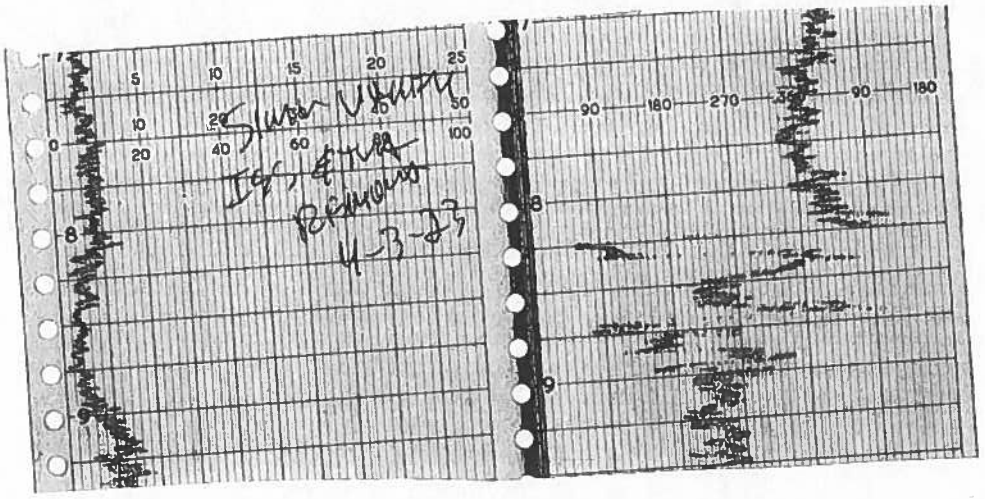
WIND SPEED & DIRECTION CHART ROLL



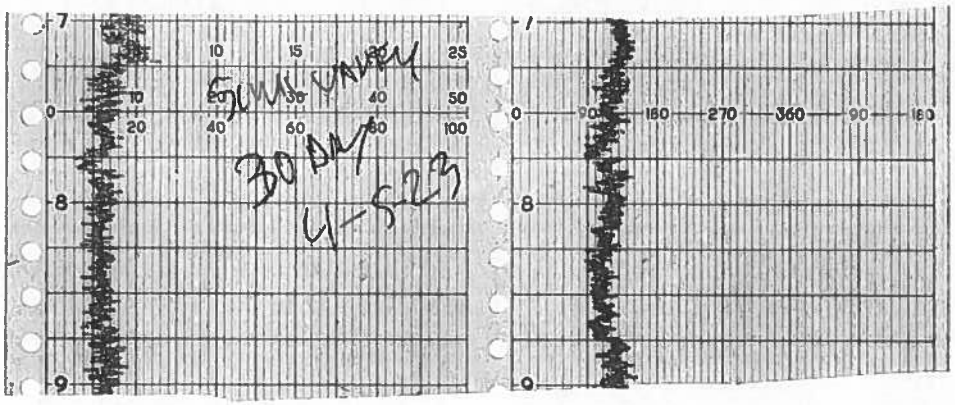
WIND SPEED & DIRECTION CHART ROLL



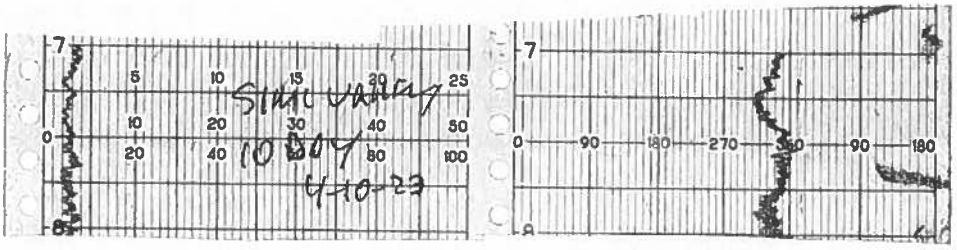
WIND SPEED & DIRECTION CHART ROLL



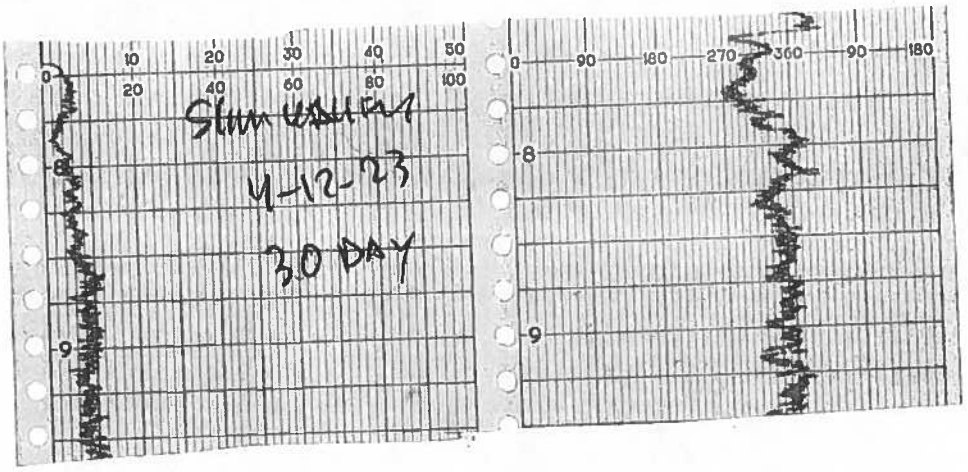
WIND SPEED & DIRECTION CHART ROLL



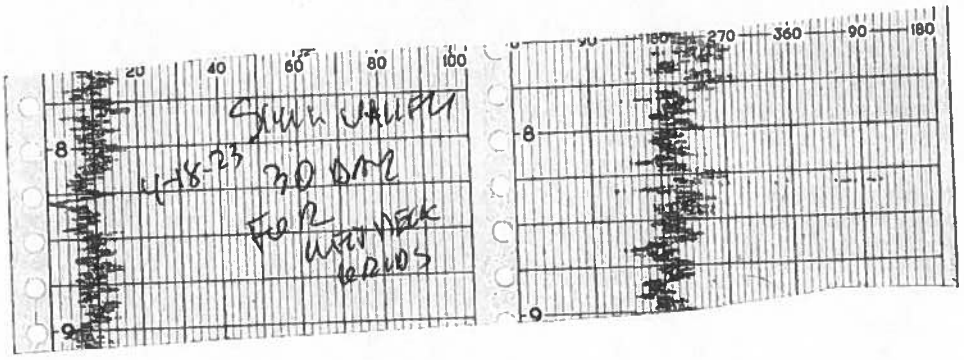
WIND SPEED & DIRECTION CHART ROLL



WIND SPEED & DIRECTION CHART ROLL

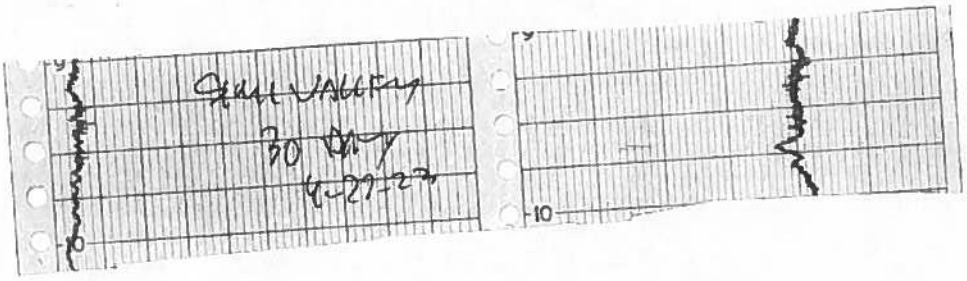


WIND SPEED & DIRECTION CHART ROLL



WIND SPEED & DIRECTION CHART ROLL

WIND SPEED & DIRECTION CHART ROLL



RES Environmental Inc.

16-POINT WIND DIRECTION INDEX

NO	DIRECTION	DEGREES		
		FROM	CENTER	TO
16	NORTH (N)	348.8	360.0	011.3
1	NORTH-NORTHEAST (NNE)	011.3	022.5	033.8
2	NORTHEAST (NE)	033.8	045.0	056.3
3	EAST-NORTHEAST (ENE)	056.3	067.5	078.8
4	EAST (E)	078.8	090.0	101.3
5	EAST-SOUTHEAST (ESE)	101.3	112.5	123.8
6	SOUTHEAST (SE)	123.8	135.0	146.3
7	SOUTH-SOUTHEAST (SSE)	146.3	157.5	168.8
8	SOUTH (S)	168.8	180.0	191.3
9	SOUTH-SOUTHWEST (SSW)	191.3	202.5	213.8
10	SOUTHWEST (SW)	213.8	225.0	236.3
11	WEST-SOUTHWEST (WSW)	236.3	247.5	258.8
12	WEST (W)	258.8	270.0	281.3
13	WEST-NORTHWEST (WNW)	281.3	292.5	303.8
14	NORTHWEST (NW)	303.8	315.0	326.3
15	NORTH-NORTHWEST (NNW)	326.3	337.5	348.8

865 Via Lata ▪ Colton, California 92324 ▪ (909) 422-1001 Fax (909) 422-0707

Attachment E

Calibration Records

RES Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: SIMI VALLEY INSTRUMENT MAKE: THERMO

MODEL: TVA 1000 EQUIPMENT #: #2 SERIAL #: 7784545

MONITORING DATE: 3-17-23 TIME: 0800

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 500 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
1.9 ppm	2.6 ppm	2.2 ppm

Background Value = 2.2 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	500 ppm	450 ppm	6
#2	500 ppm	450 ppm	5
#3	500 ppm	450 ppm	5
Calculate Response Time (1+2+3) / 3			5.3 #DIV/0! Must be less than 30 seconds

CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	1.0 ppm	500 ppm	.499.00
#2	1.0 ppm	500 ppm	.499.00
#3	2.0 ppm	500 ppm	.498.00
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			1 % #DIV/0! Must be less than 10%

Performed By: MIKE CONN Date/Time: 3-17-23 0800

RES Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: SIMI VALLEY INSTRUMENT MAKE: THERMO

MODEL: TVA 1000 EQUIPMENT #: #2 SERIAL #: 7784545

MONITORING DATE: 3-23-23 TIME: 0900

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 501 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
1.2 ppm	2.0 ppm	1.6 ppm

Background Value = 1.6 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	501 ppm	450 ppm	6
#2	502 ppm	450 ppm	5
#3	501 ppm	450 ppm	6
Calculate Response Time (1+2+3) / 3			5.6 #DIV/0! Must be less than 30 seconds

CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.41 ppm	501 ppm	1
#2	0.53 ppm	502 ppm	2
#3	0.52 ppm	501 ppm	1
Calculate Precision	[STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1		0.2 #DIV/0! Must be less than 10%

Performed By: MIKE ORTIZ Date/Time: 3-23-23 0900

RJS Environmental Inc

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Simi Valley INSTRUMENT MAKE: Thermo

MODEL: TVA 1000 EQUIPMENT # #1 SERIAL # 16320832

MONITORING DATE: 3-25-23 TIME: 0730

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 500 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
1.8 ppm	2.2 ppm	2.0 ppm

Background Value = 2.0 **ppm**

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	500 ppm	450 ppm	5
#2	502 ppm	450 ppm	5
#3	502 ppm	450 ppm	5
Calculate Response Time (1+2+3) / 3			5.0 #DIV/0! Must be less than 30 seconds

CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 **ppm**

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.52 ppm	500 ppm	0
#2	0.53 ppm	502 ppm	2
#3	0.56 ppm	502 ppm	2
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			0.2 #DIV/0! Must be less than 10%

Performed By: M. Orvis Date/Time: 3-25-23 0730

RES Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Simi Valley INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 36 SERIAL #: 0332603195

MONITORING DATE: 3-31-23 TIME: 0800

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 503 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
3.4 ppm	3.9 ppm	3.6 ppm

Background Value = 3.6 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	505 ppm	450 ppm	6
#2	503 ppm	450 ppm	7
#3	503 ppm	450 ppm	7
Calculate Response Time (1+2+3)/3			6.6 #DIV/0! Must be less than 30 seconds

CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.93 ppm	505 ppm	5
#2	1.2 ppm	503 ppm	3
#3	0.99 ppm	503 ppm	3
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			0.7 % #DIV/0! Must be less than 10%

Performed By: Michael O'Rue Date/Time: 3-31-23 / 0800

RES Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Simi Valley INSTRUMENT MAKE: THERMO

MODEL: TVA 1000 EQUIPMENT #: #2 SERIAL #: 778545

MONITORING DATE: 4-3-23 TIME: 0730

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 500 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
1.7 ppm	2.3 ppm	2.0 ppm

Background Value = 2.0 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	500 ppm	450 ppm	6
#2	500 ppm	450 ppm	5
#3	501 ppm	450 ppm	5
Calculate Response Time (1+2+3) / 3			5.3 #DIV/0! Must be less than 30 seconds

CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.41 ppm	500 ppm	0
#2	0.61 ppm	500 ppm	0
#3	0.39 ppm	501 ppm	1
Calculate Precision	[STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1		0.6 #DIV/0! Must be less than 10%

Performed By: Shawn Hinshaw Date/Time: 4-3-23 0730

RES Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Simi Valley INSTRUMENT MAKE: Thermo

MODEL: TVA 1000 EQUIPMENT #: 1 SERIAL #: 17195-4/6

MONITORING DATE: 4-5-23 TIME: 0700

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 500 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
1 ppm	3 ppm	2 ppm

Background Value = 2 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	501 ppm	450 ppm	10
#2	500 ppm	450 ppm	7
#3	502 ppm	450 ppm	13
Calculate Response Time (1+2+3) / 3			10 #DIV/0! Must be less than 30 seconds

CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	1.0 ppm	501 ppm	500.00
#2	1.0 ppm	500 ppm	499.00
#3	2.0 ppm	502 ppm	500.00
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			1% #DIV/0! Must be less than 10%

Performed By: Shawn Hershey Date/Time: 4-5-23 / 0700

RES
Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Simi Valley INSTRUMENT MAKE: THERMO

MODEL: TVA 1000 EQUIPMENT #: #1 SERIAL #: 1632083 2

MONITORING DATE: 4-10-23 TIME: 0730

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 501 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
1.6 ppm	2.3 ppm	1.9 ppm

Background Value = 1.9 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	501 ppm	450 ppm	6
#2	501 ppm	450 ppm	6
#3	501 ppm	450 ppm	5
Calculate Response Time (1+2+3) / 3			5.6 #DIV/0! Must be less than 30 seconds

CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.41 ppm	501 ppm	1
#2	0.52 ppm	501 ppm	1
#3	0.49 ppm	501 ppm	1
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			0.2 #DIV/0! Must be less than 10%

Performed By: MIKE ORVIE Date/Time: 4-10-23 0730

RES
Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Simi Valley INSTRUMENT MAKE: Thermo

MODEL: TVA 1000 EQUIPMENT #: 30 SERIAL #: 1795416

MONITORING DATE: 4-12-23 TIME: 0730

Calibration Procedure:

1. Allow instrument to zero itself while introducing air
2. Introduce calibration gas into the probe. Stabilized reading = 503 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
2.5 ppm	3.4 ppm	2.9 ppm

Background Value = 2.9 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	503 ppm	450 ppm	6
#2	505 ppm	450 ppm	5
#3	503 ppm	450 ppm	5
Calculate Response Time (1+2+3)/3			5.3 #DIV/0! Must be less than 30 seconds

CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	1.2 ppm	503 ppm	3
#2	1.1 ppm	505 ppm	5
#3	1.2 ppm	503 ppm	3
Calculate Precision	[STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1		0.7% #DIV/0! Must be less than 10%

Performed By Michael ORUE Date/Time 4-12-23 / 0730

RES Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Simi Valley INSTRUMENT MAKE: Thermo

MODEL: TVA 1000 EQUIPMENT #: #1 SERIAL #: 16320832

MONITORING DATE: 4-18-23 TIME: 0800

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 500 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
1.3 ppm	2.3 ppm	1.8 ppm

Background Value = 1.8 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	500 ppm	450 ppm	6
#2	501 ppm	450 ppm	5
#3	501 ppm	450 ppm	5
Calculate Response Time (1+2+3)/3			5.3 #DIV/0! Must be less than 30 seconds

CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.69 ppm	500 ppm	0
#2	0.68 ppm	501 ppm	1
#3	0.51 ppm	501 ppm	1
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			0.1 #DIV/0! Must be less than 10%

Performed By: Mr. Dominguez Date/Time: 4-18-23 0800

RES
Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Simi Valley INSTRUMENT MAKE: Thermo

MODEL: TVA 1000 EQUIPMENT #: 30 SERIAL #: 1795416

MONITORING DATE: 4-21-23 TIME: 0830

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 503 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
2.5 ppm	3.4 ppm	2.9 ppm

Background Value = 2.9 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	503 ppm	450 ppm	6
#2	505 ppm	450 ppm	5
#3	503 ppm	450 ppm	5
Calculate Response Time (1+2+3) / 3			5.3 #DIV/0! Must be less than 30 seconds

CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	1.2 ppm	503 ppm	3
#2	1.1 ppm	505 ppm	5
#3	1.2 ppm	503 ppm	3
Calculate Precision	[STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1		0.9 % #DIV/0! Must be less than 10%

Performed By: Michael ORoE Date/Time: 4-21-23 / 0830

RES Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Simi Valley INSTRUMENT MAKE: Thermo

MODEL: TVA 1000 EQUIPMENT #: 2 SERIAL #: 7184545

MONITORING DATE: 4-27-23 TIME: 0915

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 502 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
2.3 ppm	3.6 ppm	2.9 ppm

Background Value = 2.9 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	504 ppm	450 ppm	8
#2	502 ppm	450 ppm	6
#3	502 ppm	450 ppm	6
Calculate Response Time (1+2+3) / 3			6.6 #DIV/0! Must be less than 30 seconds

CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

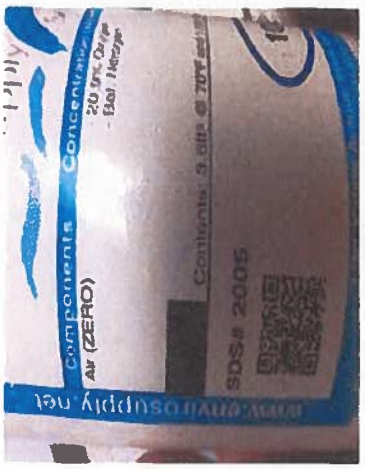
Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	1.2 ppm	504 ppm	4
#2	1.0 ppm	502 ppm	2
#3	1.1 ppm	502 ppm	2
Calculate Precision	[STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1		0.5% #DIV/0! Must be less than 10%

Performed By: Michael Orr Date/Time: 4-27-23 / 0915

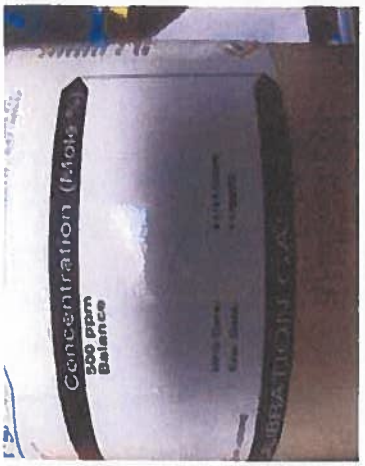
Project :	RES_SimiValley landfill	**Date/Time :**	3/13/2023 4:30:22 AM
Model Number :	INSPECTRA	**Serial Number :**	881221
Latitude :	34.0563905	**Longitude :**	-117.3073048
Test Status :	Completed	**Test Notes :**	Test successfully completed at 2023-Mar-13 04:31 using one span gas.

		Measurement #1		Measurement #2		Measurement #3					
GAS USED		T90	Reading	T90	Reading	T90	Reading	Average Algebraic Difference	Calibration Precision	Calibration Precision < 10	Average Response Time
	(ppm)	(sec)	(ppm)	(sec)	(ppm)	(sec)	(ppm)		(%)		(s)
ZERO	0										
Calibration Gas #1	500	7.8	482.2	5.3	486.6	5.3	486.5	14.9	3%	Yes	6.1

Gas Sequence ID :	0	**Date/Time :**	3/13/2023 4:30:22 AM
Gas Manufacturer :	Intermountain	**Gas Lot Number :**	20-7421
Gas Expiration Date :	7/10/2024	**Bottle Pressure :**	1000
Misc Ref No :	N/A	**Technical Name :**	N/A
UN# :	N/A	**Cylinder ID :**	N/A



Gas Sequence ID :	1	**Date/Time :**	3/13/2023 4:30:22 AM
Gas Manufacturer :	intermountain	**Gas Lot Number :**	0-135-81
Gas Expiration Date :	11/10/2023	**Bottle Pressure :**	1000
Misc Ref No :	N/A	**Technical Name :**	N/A
UN# :	N/A	**Cylinder ID :**	N/A



Project :	RES_SimiValley landfill	**Date/Time :**	3/13/2023 4:31:56 AM
Model Number :	INSPECTRA	**Serial Number :**	1001221
Latitude :	34.0563933	**Longitude :**	-117.3073175
Test Status :	Incomplete-abnormal exit	**Test Notes :**	N/A

		Measurement #1		Measurement #2		Measurement #3					
GAS USED		T90	Reading	T90	Reading	T90	Reading	Average Algebraic Difference	Calibration Precision	Calibration Precision < 10	Average Response Time
	(ppm)	(sec)	(ppm)	(sec)	(ppm)	(sec)	(ppm)		(%)		(s)
ZERO	0										
Calibration Gas #1	500	5.8	469.4	5.7	469.5			Incomplete Measurement Set			

DataField

Gas Sequence ID :	0	**Date/Time :**	3/13/2023 4:31:56 AM
Gas Manufacturer :	intermountain	**Gas Lot Number :**	20-7421
Gas Expiration Date :	7/10/2024	**Bottle Pressure :**	1000
Misc Ref No :	N/A	**Technical Name :**	N/A
UN# :	N/A	**Cylinder ID :**	N/A

Gas Sequence ID :	1	**Date/Time :**	3/13/2023 4:31:56 AM
Gas Manufacturer :	intermountain	**Gas Lot Number :**	0-135-81
Gas Expiration Date :	11/10/2023	**Bottle Pressure :**	1000
Misc Ref No :	N/A	**Technical Name :**	N/A
UN# :	N/A	**Cylinder ID :**	N/A

DataField

Project :	RES_SimiValley landfill	**Date/Time :**	3/13/2023 4:33:37 AM
Model Number :	INSPECTRA	**Serial Number :**	1011221
Latitude :	34.056388	**Longitude :**	-117.3073024
Test Status :	Completed	**Test Notes :**	Test successfully completed at 2023-Mar-13 04:34 using one span gas.

		Measurement #1		Measurement #2		Measurement #3					
GAS USED		**T90**	**Reading**	**T90**	**Reading**	**T90**	**Reading**	**Average Algebraic Difference**	**Calibration Precision**	**Calibration Precision < 10**	**Average Response Time**
	(ppm)	(sec)	(ppm)	(sec)	(ppm)	(sec)	(ppm)		(%)		(s)
ZERO	0										
Calibration Gas #1	500	6.8	481.5	6.9	484.6	6.8	483.2	16.9	3.4%	Yes	6.8

DataField

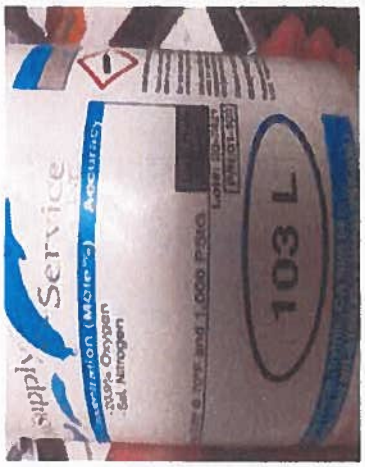
Gas Sequence ID :	0	**Date/Time :**	3/13/2023 4:33:37 AM
Gas Manufacturer :	intermountain	**Gas Lot Number :**	20-7421
Gas Expiration Date :	7/10/2024	**Bottle Pressure :**	1000
Misc Ref No :	N/A	**Technical Name :**	N/A
UN# :	N/A	**Cylinder ID :**	N/A

Gas Sequence ID :	1	**Date/Time :**	3/13/2023 4:33:37 AM
Gas Manufacturer :	Intermountain	**Gas Lot Number :**	0-135-81
Gas Expiration Date :	11/10/2023	**Bottle Pressure :**	1000
Misc Ref No :	N/A	**Technical Name :**	N/A
UN# :	N/A	**Cylinder ID :**	N/A

Project :	RES_SimiValley landfill	**Date/Time :**	3/13/2023 4:35:18 AM
Model Number :	INSPECTRA	**Serial Number :**	761121
Latitude :	34.0563857	**Longitude :**	-117.3073025
Test Status :	Completed	**Test Notes :**	Test successfully completed at 2023-Mar-13 04:36 using one span gas.

		Measurement #1		Measurement #2		Measurement #3					
GAS USED		T90	Reading	T90	Reading	T90	Reading	Average Algebraic Difference	Calibration Precision	Calibration Precision < 10	Average Response Time
	(ppm)	(sec)	(ppm)	(sec)	(ppm)	(sec)	(ppm)		(%)		(s)
ZERO	0										
Calibration Gas #1	500	6.5	484.2	7.7	483.5	6.4	482.6	16.6	3.3%	Yes	6.9

Gas Sequence ID :	0	**Date/Time :**	3/13/2023 4:35:18 AM
Gas Manufacturer :	intermountain	**Gas Lot Number :**	20-7421
Gas Expiration Date :	7/10/2024	**Bottle Pressure :**	1000
Misc Ref No :	N/A	**Technical Name :**	N/A
UN# :	N/A	**Cylinder ID :**	N/A



Gas Sequence ID :	1	**Date/Time :**	3/13/2023 4:35:18 AM
Gas Manufacturer :	intermountain	**Gas Lot Number :**	0-135-81
Gas Expiration Date :	11/10/2023	**Bottle Pressure :**	1000
Misc Ref No :	N/A	**Technical Name :**	N/A
UN# :	N/A	**Cylinder ID :**	N/A

Project :	RES_SimiValley landfill	**Date/Time :**	3/13/2023 4:36:56 AM
Model Number :	INSPECTRA	**Serial Number :**	811121
Latitude :	34.0563919	**Longitude :**	-117.3072988
Test Status :	Completed	**Test Notes :**	Test successfully completed at 2023-Mar-13 04:38 using one span gas.

		Measurement #1		Measurement #2		Measurement #3					
GAS USED		T90	Reading	T90	Reading	T90	Reading	Average Algebraic Difference	Calibration Precision	Calibration Precision < 10	Average Response Time
	(ppm)	(sec)	(ppm)	(sec)	(ppm)	(sec)	(ppm)		(%)		(s)
ZERO	0										
Calibration Gas #1	500	5.6	485.7	5.6	485.7	5.6	485.8	14.3	2.9%	Yes	5.6

Gas Sequence ID :	0	**Date/Time :**	3/13/2023 4:36:56 AM
Gas Manufacturer :	intermountain	**Gas Lot Number :**	20-7421
Gas Expiration Date :	7/10/2024	**Bottle Pressure :**	1000
Misc Ref No :	N/A	**Technical Name :**	N/A
UN# :	N/A	**Cylinder ID :**	N/A

Gas Sequence ID :	1	**Date/Time :**	3/13/2023 4:36:56 AM
Gas Manufacturer :	Intermountain	**Gas Lot Number :**	0-135-81
Gas Expiration Date :	11/10/2023	**Bottle Pressure :**	1000
Misc Ref No :	N/A	**Technical Name :**	N/A
UN# :	N/A	**Cylinder ID :**	N/A

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Report of Checking

Delivered to : RES ENVIRONMENTAL - COLTON

Date of the report : 1/14/2023

Identifier of the detector

Detector name	: Inspectra Laser	Serial Number	: **881221**
Scale numbers	: 1	Next visit	: 1/14/2025

Method of Checking

Internal procedures : ATE04226
Calibration Bench n° : 41

Each scale of the checked apparatus was the subject of a measurement for zero value, and of a measurement for the value of the concentration of the gas standard injected .

Scale	Gaz	Concentration of the gas standard	Traceability of the gas (N° of production)	Specifications (awaited posted values)	Uncertainty on the concentration of the gas standard
PPM	CH4	0.0009999999% GAS	70086129308	10 PPM(± 10% relative)	± 2% relative
PPM	CH4	0.05% GAS	70086030712	500 PPM(± 10% relative)	± 2% relative
PPM	CH4	0.25% GAS	70086811308	2499 PPM(± 10% relative)	± 2% relative
PPM	CH4	1% GAS	109631206	10000 PPM(± 10% relative)	± 2% relative
PPM	CH4	2% GAS	70086800812	20000 PPM(± 10% relative)	± 2% relative
PPM	CH4	100% GAS	303114089201	1000000 PPM(± 10% relative)	± 2% relative

Result of the checking

The detector is considered to be in conformity with the specifications of reference

Technical Department

This document includes 1 page.

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Report of Checking

Delivered to : RES ENVIRONMENTAL - COLTON

Date of the report : 1/14/2023

Identifier of the detector

Detector name	: Inspectra Laser	Serial Number	**: 1001221**
Scale numbers	: 1	Next visit	: 1/14/2025

Method of Checking

Internal procedures : ATE04226
Calibration Bench n° : 41

Each scale of the checked apparatus was the subject of a measurement for zero value, and of a measurement for the value of the concentration of the gas standard injected .

Scale	Gaz	Concentration of the gas standard	Traceability of the gas (N° of production)	Specifications (awaited posted values)	Uncertainty on the concentration of the gas standard
PPM	CH4	0.0009999999% GAS	70086129308	10 PPM(± 10% relative)	± 2% relative
PPM	CH4	0.05% GAS	70086030712	500 PPM(± 10% relative)	± 2% relative
PPM	CH4	0.25% GAS	70086811308	2499 PPM(± 10% relative)	± 2% relative
PPM	CH4	1% GAS	109631206	10000 PPM(± 10% relative)	± 2% relative
PPM	CH4	2% GAS	70086800812	20000 PPM(± 10% relative)	± 2% relative
PPM	CH4	100% GAS	303114089201	1000000 PPM(± 10% relative)	± 2% relative

Result of the checking

The detector is considered to be in conformity with the specifications of reference

Technical Department

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GAZOMAT™
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Report of Checking

Delivered to : RES ENVIRONMENTAL - COLTON

Date of the report : 1/14/2023

Identifier of the detector

Detector name	: Inspectra Laser	Serial Number	**: 1011221**
Scale numbers	: 1	Next visit	: 1/14/2025

Method of Checking

Internal procedures : ATE04226
Calibration Bench n° : 41

Each scale of the checked apparatus was the subject of a measurement for zero value, and of a measurement for the value of the concentration of the gas standard injected .

Scale	Gaz	Concentration of the gas standard	Traceability of the gas (N° of production)	Specifications (awaited posted values)	Uncertainty on the concentration of the gas standard
PPM	CH4	0.0009999999% GAS	70086129308	10 PPM(± 10% relative)	± 2% relative
PPM	CH4	0.05% GAS	70086030712	500 PPM(± 10% relative)	± 2% relative
PPM	CH4	0.25% GAS	70086811308	2499 PPM(± 10% relative)	± 2% relative
PPM	CH4	1% GAS	109631206	10000 PPM(± 10% relative)	± 2% relative
PPM	CH4	2% GAS	70086800812	20000 PPM(± 10% relative)	± 2% relative
PPM	CH4	100% GAS	303114089201	1000000 PPM(± 10% relative)	± 2% relative

Result of the checking

The detector is considered to be in conformity with the specifications of reference

Technical Department

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Report of Checking

Delivered to : RES ENVIRONMENTAL - COLTON

Date of the report : 1/14/2023

Identifier of the detector

Detector name	: Inspectra Laser	Serial Number	: **761121**
Scale numbers	: 1	Next visit	: 1/14/2025

Method of Checking

Internal procedures : ATE04226
Calibration Bench n° : 41

Each scale of the checked apparatus was the subject of a measurement for zero value, and of a measurement for the value of the concentration of the gas standard injected .

Scale	Gaz	Concentration of the gas standard	Traceability of the gas (N° of production)	Specifications (awaited posted values)	Uncertainty on the concentration of the gas standard
PPM	CH4	0.0009999999% GAS	70086129308	10 PPM(± 10% relative)	± 2% relative
PPM	CH4	0.05% GAS	70086030712	500 PPM(± 10% relative)	± 2% relative
PPM	CH4	0.25% GAS	70086811308	2499 PPM(± 10% relative)	± 2% relative
PPM	CH4	1% GAS	109631206	10000 PPM(± 10% relative)	± 2% relative
PPM	CH4	2% GAS	70086800812	20000 PPM(± 10% relative)	± 2% relative
PPM	CH4	100% GAS	303114089201	1000000 PPM(± 10% relative)	± 2% relative

Result of the checking

The detector is considered to be in conformity with the specifications of reference

Technical Department

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Report of Checking

Delivered to : RES ENVIRONMENTAL - COLTON

Date of the report : 1/14/2023

Identifier of the detector

Detector name	: Inspectra Laser	Serial Number	**: 811121**
Scale numbers	: 1	Next visit	: 1/14/2025

Method of Checking

Internal procedures : ATE04226
Calibration Bench n° : 41

Each scale of the checked apparatus was the subject of a measurement for zero value, and of a measurement for the value of the concentration of the gas standard injected .

Scale	Gaz	Concentration of the gas standard	Traceability of the gas (N° of production)	Specifications (awaited posted values)	Uncertainty on the concentration of the gas standard
PPM	CH4	0.0009999999% GAS	70086129308	10 PPM(± 10% relative)	± 2% relative
PPM	CH4	0.05% GAS	70086030712	500 PPM(± 10% relative)	± 2% relative
PPM	CH4	0.25% GAS	70086811308	2499 PPM(± 10% relative)	± 2% relative
PPM	CH4	1% GAS	109631206	10000 PPM(± 10% relative)	± 2% relative
PPM	CH4	2% GAS	70086800812	20000 PPM(± 10% relative)	± 2% relative
PPM	CH4	100% GAS	303114089201	1000000 PPM(± 10% relative)	± 2% relative

Result of the checking

The detector is considered to be in conformity with the specifications of reference

Technical Department

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Intermountain Specialty Gases
520 N. Kings Road
Nampa, ID 83687 (USA)
Phone (800) 552-5003, Fax (208) 466-9143
www.isgases.com

INTERMOUNTAIN SPECIALTY GASES
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CERTIFICATE OF ANALYSIS

Composition	Certification	Analytical Accuracy (+/-)
Oxygen	20.9 %	2%
Nitrogen	Balance UHP	

Lot #	**20-7421**
Mfg. Date:	5/20/2020
Expiration Date:	
Transfill Date:	see cylinder
Parent Cylinder ID Number:	NY02268

Method of Preparation:

Gravimetric/Pressure Transfilled

Method of Analysis:

The parent mix was prepared gravimetrically and is traceable to the NIST by certified weights (ID #CA10814) used to calibrate the scale.

Analysis By: Tony Janquart
Title: Quality Assurance Manager
Certificate Date: 5/20/2020


Service
INC
Concentration (Mole%) Accuracy
- 20.9% Oxygen
- Bal. Nitrogen
@ 70°F and 1,000 PSIG
Exp Date
7/10/202
Lot#: 20-7421
P/N:01-100
103 L
Kaiser Avenue, Irvine, CA 92614
(800) 201-8150 Fax (949) 757-0363
103-01-100
103 L

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CERTIFICATE OF ANALYSIS

Composition	Certification	Analytical Accuracy
Methane	25 ppm	± 5%
Air	Balance	

Lot # 17-6074

Mfg. Date: 10/16/2017

Parent Cylinder ID Number: 17161

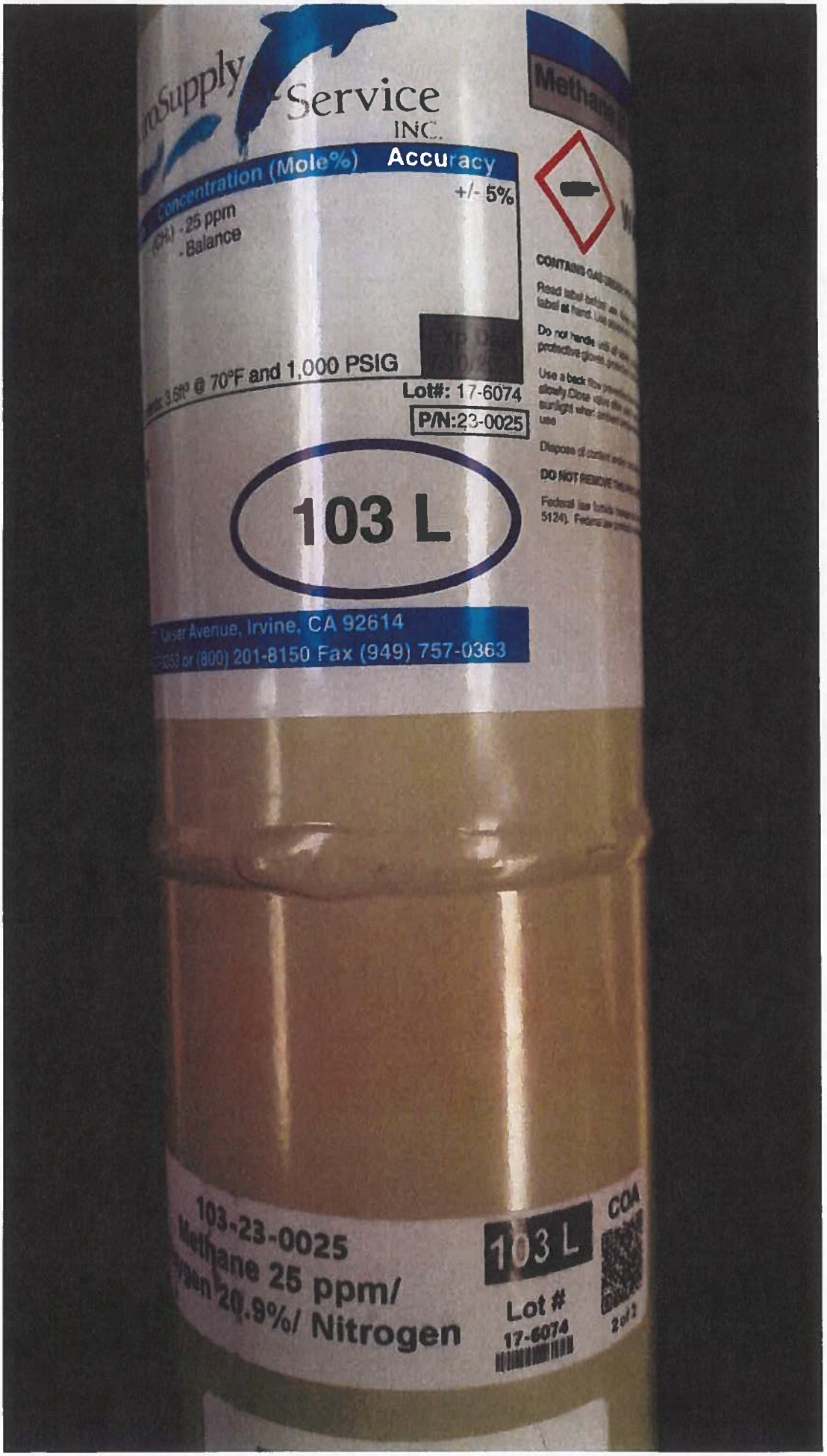
Method of Preparation:

Gravimetric/Pressure Transfilled

Method of Analysis:

The parent mix was prepared gravimetrically and is traceable to the NIST by certified weights (ID #CA10814) used to calibrate the scale.

Analysis By: Tony Janquart
Quality Assurance Manager
800-552-5003
Certificate Date: 10/16/2017


Service
INC.
Concentration (Mole%)
Accuracy
+/- 5%
25 ppm
Balance
@ 70°F and 1,000 PSIG
Lot#: 17-6074
P/N:23-0025
103 L
Avenue, Irvine, CA 92614
(800) 201-8150 Fax (949) 757-0363
103-23-0025
Methane 25 ppm/
Nitrogen
103 L
Lot #
17-6074
COA

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CERTIFICATE OF ANALYSIS

Composition	Certification	Analytical Accuracy
Methane	25 ppm	± 5%
Air	Balance	

Lot # 17-6074

Mfg. Date: 10/16/2017

Parent Cylinder ID Number: 17161

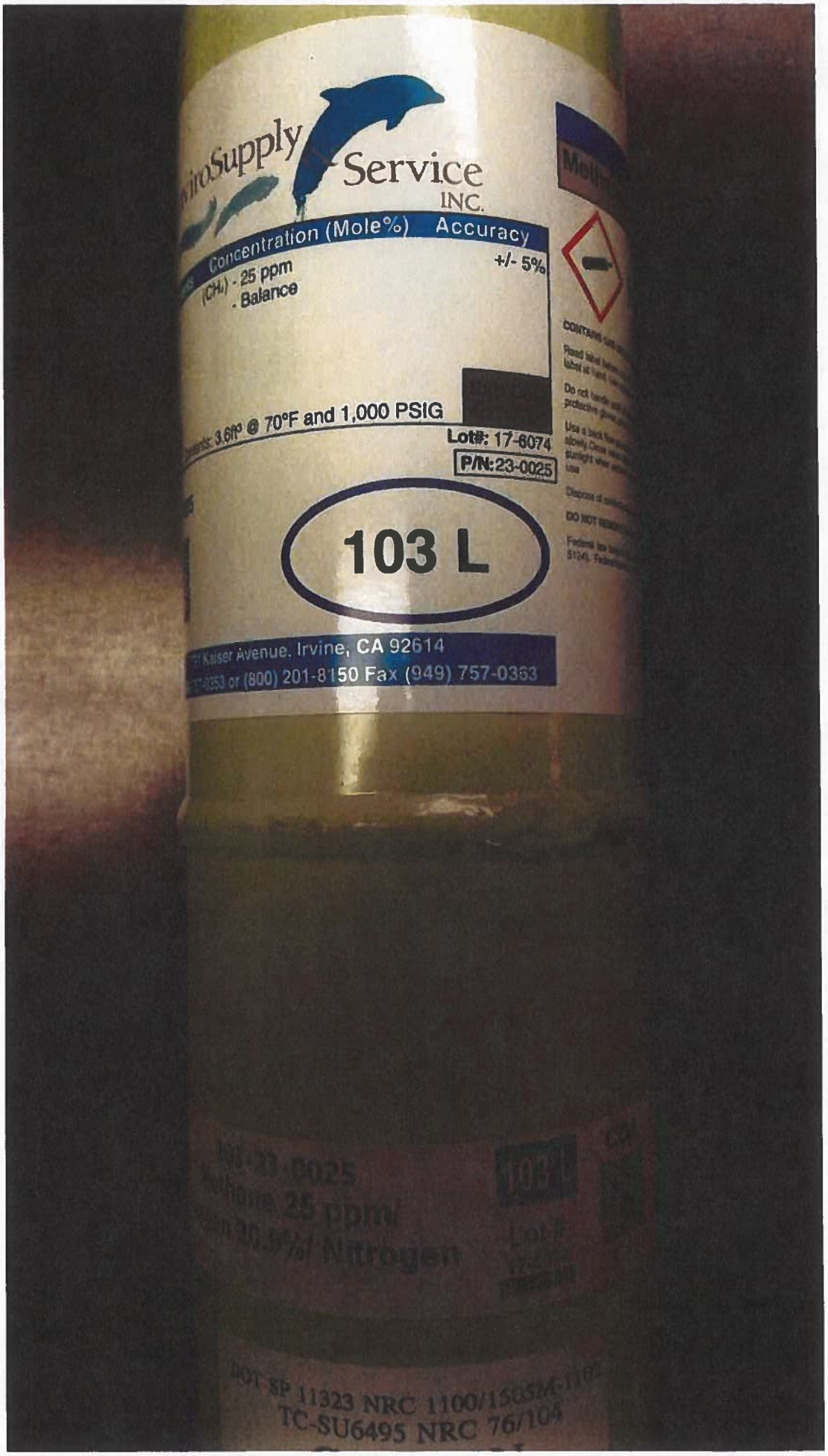
Method of Preparation:

Gravimetric/Pressure Transfilled

Method of Analysis:

The parent mix was prepared gravimetrically and is traceable to the NIST by certified weights (ID #CA10814) used to calibrate the scale.

Analysis By: Tony Janquart
Quality Assurance Manager
800-552-5003
Certificate Date: 10/16/2017


Service
INC.
Concentration (Mole%)
Accuracy
(CH4) - 25 ppm
+/- 5%
. Balance
Lot#: 17-6074
P/N:23-0025
103 L
Kaiser Avenue, Irvine, CA 92614
(800) 201-8150 Fax (949) 757-0353
TC-SU6495 NRC 76/104

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CERTIFICATE OF ANALYSIS

Composition	Certification	Analytical Accuracy (+/-)
Methane	500 ppm	2%
Oxygen	20.9 %	2%
Nitrogen	Balance UHP	

Lot #	**20-7497**
Mfg. Date:	7/10/2020
Expiration Date:	
Transfill Date:	see cylinder
Parent Cylinder ID Number:	TWC001763

Method of Preparation:

Gravimetric/Pressure Transfilled

Method of Analysis:

The parent mix was prepared gravimetrically and is traceable to the NIST by certified weights (ID #CA10814) used to calibrate the scale.

Analysis By:	Tony Janquart
Title:	Quality Assurance Manager
Certificate Date:	7/10/2020


Service
INC.
Accuracy
+/- 2%
Lot#: 20-7497
P/N:23-0500
103 L
Irvine, CA 92614
Fax (949) 757-0363
Methane
CONTAINS GAS UNDER
DO NOT REMOVE THIS
103 L
COA
Lot #
20-3497
4 of 4

INTERMOUNTAIN SPECIALTY GASES

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800-552-5003 • www.isgases.com

CERTIFICATE OF ANALYSIS

Composition	Certification	Analytical Accuracy
Methane	500 ppm	± 2%
Air	Balance	

Lot # 19-6955

Mfg. Date: 7/24/2019

Parent Cylinder ID Number: 001763

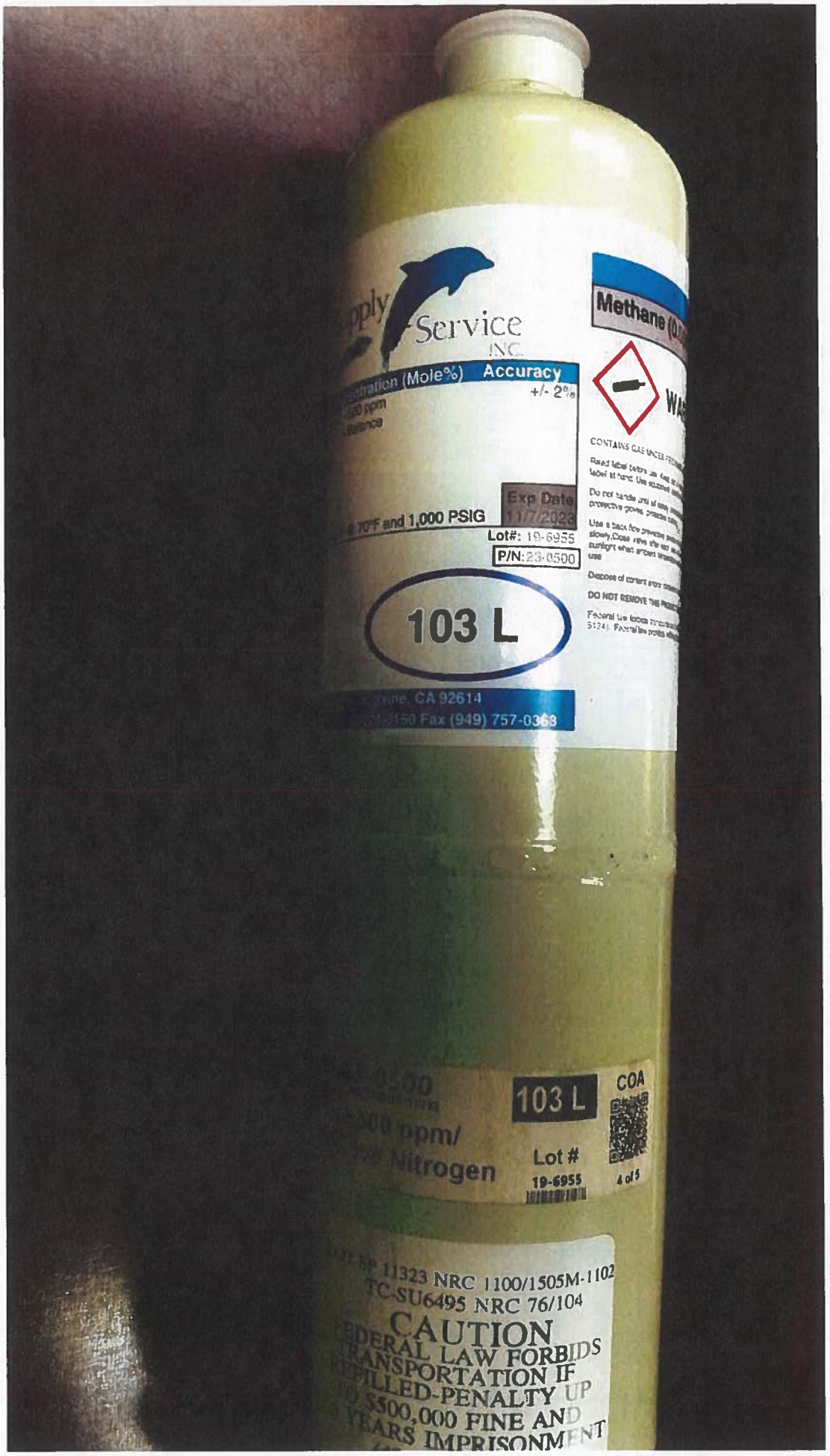
Method of Preparation:

Gravimetric/Pressure Transfilled

Method of Analysis:

The parent mix was prepared gravimetrically and is traceable to the NIST by certified weights (ID #CA10814) used to calibrate the scale.

Analysis By: Tony Janquart
Quality Assurance Manager
800-552-5003
Certificate Date: 7/24/2019


Service
INC
Accuracy
+/- 2%
Exp Date
11/7/2023
Lot#: 19-6955
P/N: 23-0500
103 L
Methane
Irvine, CA 92614
Fax (949) 757-0368
103 L
COA
Lot #
19-6955
4 of 5
Nitrogen
SP 11323 NRC 1100/1505M-1102
TC-SU6495 NRC 76/104
CAUTION
FEDERAL LAW FORBIDS
TRANSPORTATION IF
UNFILLED-PENALTY UP
TO $500,000 FINE AND
5 YEARS IMPRISONMENT

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Phone (800) 552-5003, Fax (208) 466-9143
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INTERMOUNTAIN SPECIALTY GASES
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CERTIFICATE OF ANALYSIS

Composition	Certification	Analytical Accuracy (+/-)
Methane	500 ppm	2%
Oxygen	20.9 %	2%
Nitrogen	Balance UHP	

Lot #	**18-6641**
Mfg. Date:	12/18/2018
Expiration Date:	
Transfill Date:	see cylinder
Parent Cylinder ID Number:	001763

Method of Preparation:

Gravimetric/Pressure Transfilled

Method of Analysis:

The parent mix was prepared gravimetrically and is traceable to the NIST by certified weights (ID #CA10814) used to calibrate the scale.

Analysis By: Tony Janquart
Title: Quality Assurance Manager
Certificate Date: 12/18/2018


Concentration (Mole%)
Accuracy
500 ppm
Balance
+/- 2%
Exp Date
6/26/2023
103 L
Kaiser Avenue, Irvine, CA 92614
(800) 201-8150 Fax (949) 757-0363
103 L
COA
Lot #
18-6641
NRC 1100/1505M-1102

Nor

Calibration Gases & Equipment

CERTIFICATE OF ANALYSIS

Premier Safety & Service

46400 Continental Drivve
Chesterfield ,MI 48047

Cust Number 07152
Order Number 62891146
PO Number 04548169

Lot Number 9-326-80
Norlab Part# J1971500PA
Cylinder Size 103 Liter
Number of Cyl 1

Customer Part# N/A

Date on Manufacture 12/31/2019
Expires 12/2022
Analytical Accuracy +/- 2 %

Component	Reported Concentration	Requested Concentration
Methane	500 ppm	500 ppm
Air	Balance	Balance

Storage: Keep away from heat, flames, and sparks. Store and use with adequate ventilation. Close valve when not in use and when empty. Never allow cylinder temperature to exceed 125 degrees F.

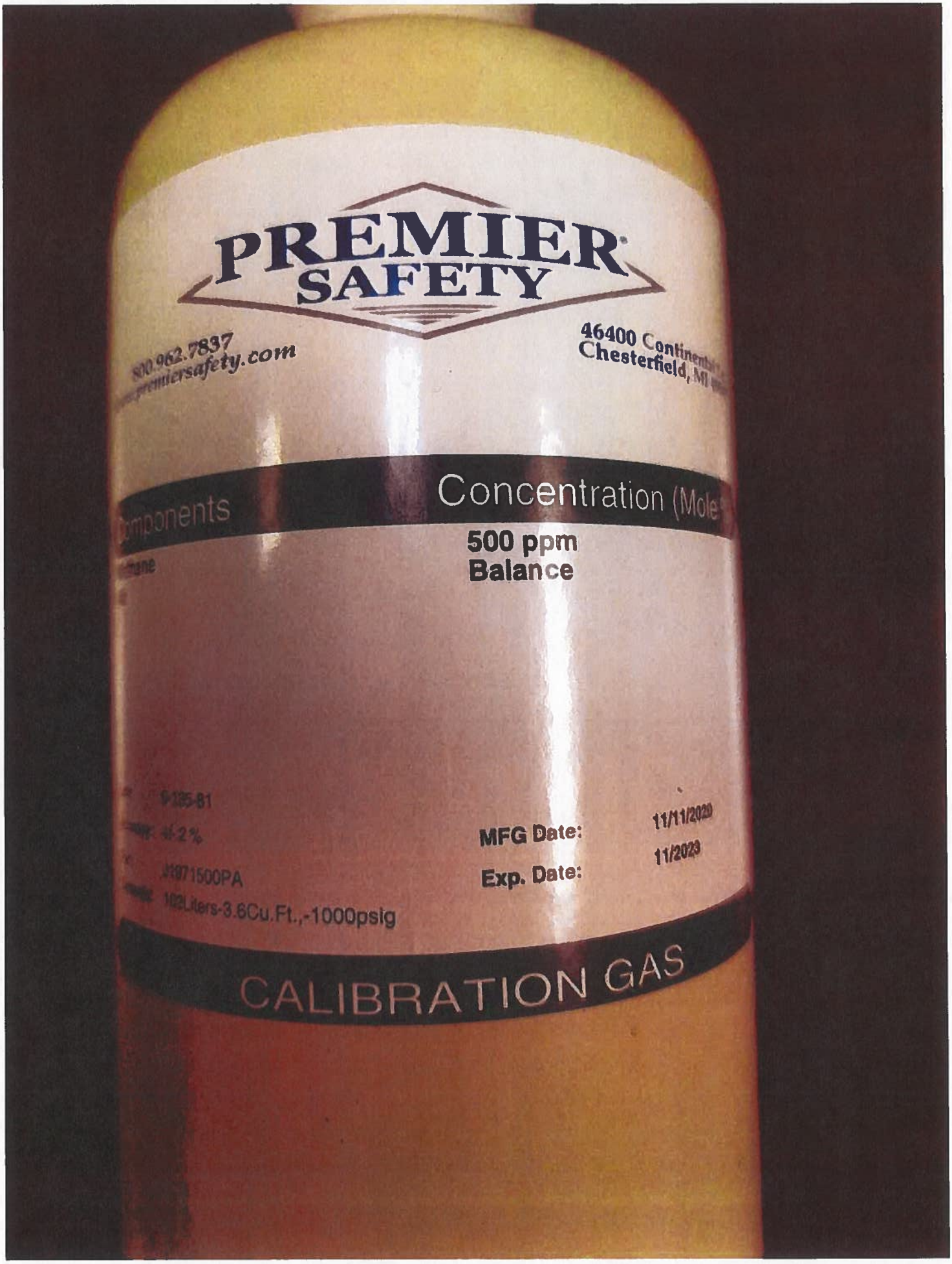
The cylinders in this lot were transfilled from cylinders prepared gravimetrically and traceable to the NIST by the certified weights used to calibrate the scale. The transfilled cylinders were then analyzed against standards traceable to the NIST by weights or SRMs.

NIST Traceable Numbers 20180519 and 20180224

Approved: _____ Date Signed: 12/31/2019

David Reed
Lab Technician

898 W. GOWEN ROAD • BOISE, IDAHO 83705
Phone (208) 336-1643 • Fax (208) 331-3038 • 800-657-6672


PREMIER
SAFETY
800.962.7837
premiersafety.com
46400 Continental
Chesterfield, MI
Components
Concentration (Mole
500 ppm
Balance
9135-81
J1071500PA
102Liters-3.6Cu.Ft.,-1000psig
MFG Date:
11/11/2020
Exp. Date:
11/2023
CALIBRATION GAS

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A DIVISION OF NORCO, INC.
Calibration Gases & Equipment

CERTIFICATE OF ANALYSIS

Premier Safety & Service

33596 Sterling Pond Blvd
Sterling Hights MI 48312

Cust Number 07152
Order Number 69679439
PO Number 04906817

Lot Number 2-154-85
Norlab Part# J1002
Cylinder Size 103 Liter
Number of Cyl 1

Customer Part# N/A

Date on Manufacture 6/13/2022
Expires 06/2025
Analytical Accuracy Certified

Component	Reported Concentration	Requested Concentration
Air	Zero Grade	Zero Grade
Oxygen	20.9 %	20.9 %
T.H.C. (as Methane)	< 1.0 ppm	< 1.0 ppm
Nitrogen	Balance	Balance

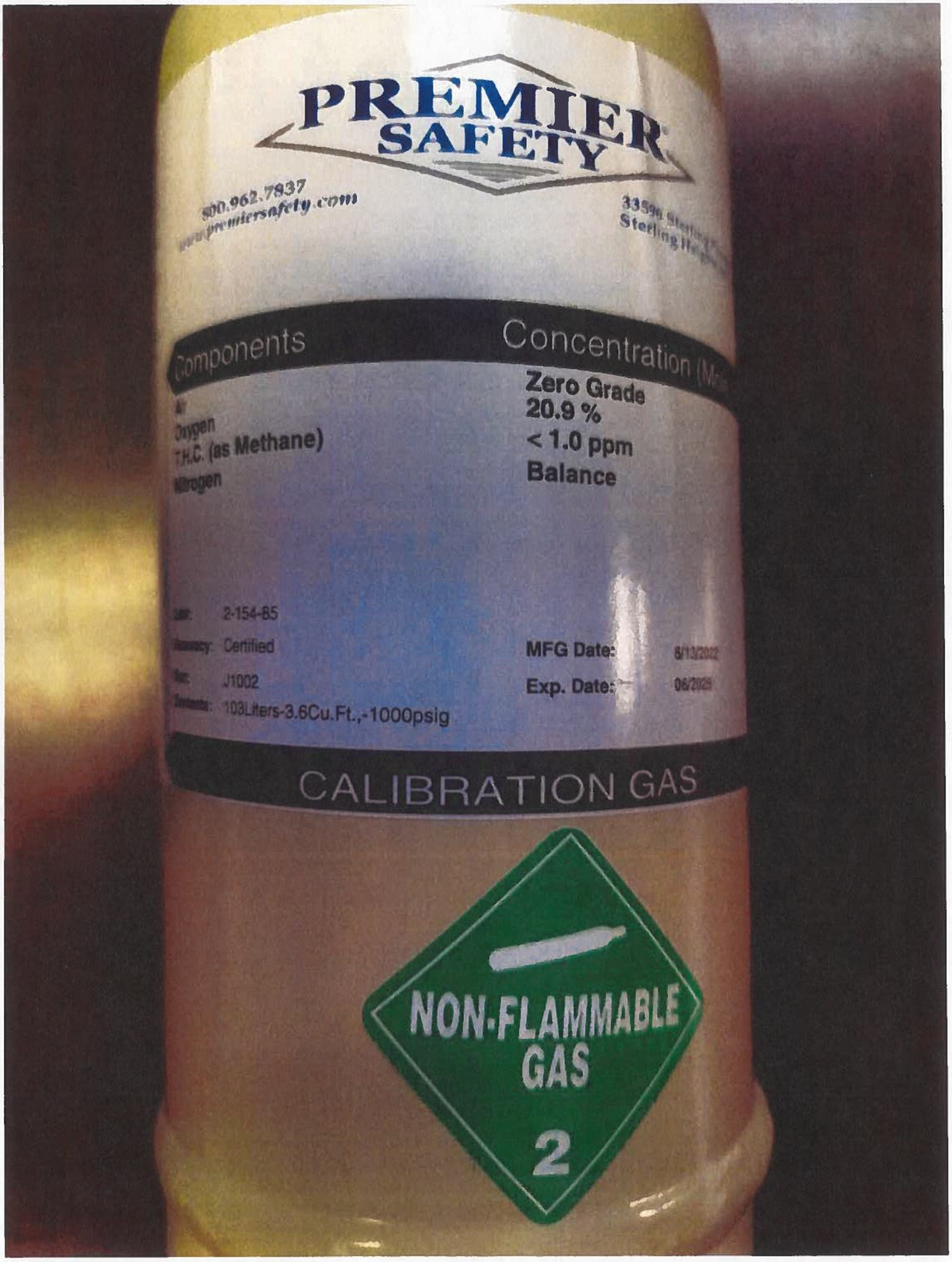
Storage: Keep away from heat, flames, and sparks. Store and use with adequate ventilation. Close valve when not in use and when empty. Never allow cylinder temperature to exceed 125 degrees F.

Minor constituents tested with standards traceable to NIST by mass or comparison to SRM's (Standard Reference Materials).

NIST Traceable Numbers are available upon request.

Approved: _____ Date Signed: 6/13/2022
David Reed
Lab Technician

898 W. GOWEN ROAD • BOISE, IDAHO 83705
Phone (208) 336-1643 • Fax (208) 331-3038 • 800-657-6672


PREMIER
SAFETY
800.962.7837
Components
Concentration
Zero Grade
20.9 %
< 1.0 ppm
Balance
Oxygen
T.H.C. (as Methane)
Nitrogen
2-154-B5
Certified
J1002
103Liters-3.6Cu.Ft.,-1000psig
MFG Date:
Exp. Date:
CALIBRATION GAS
NON-FLAMMABLE
GAS
2

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Calibration Gases & Equipment

CERTIFICATE OF ANALYSIS

Premier Safety & Service

33596 Sterling Pond Blvd
Sterling Hights MI 48312

Cust Number 07152
Order Number 69671309
PO Number 08361523

Lot Number	2-108-80
Norlab Part#	J1971500PA
Cylinder Size	103 Liter
Number of Cyl	1
Customer Part#	N/A

Date on Manufacture	6/10/2022
Expires	06/2025
Analytical Accuracy	+/- 2 %

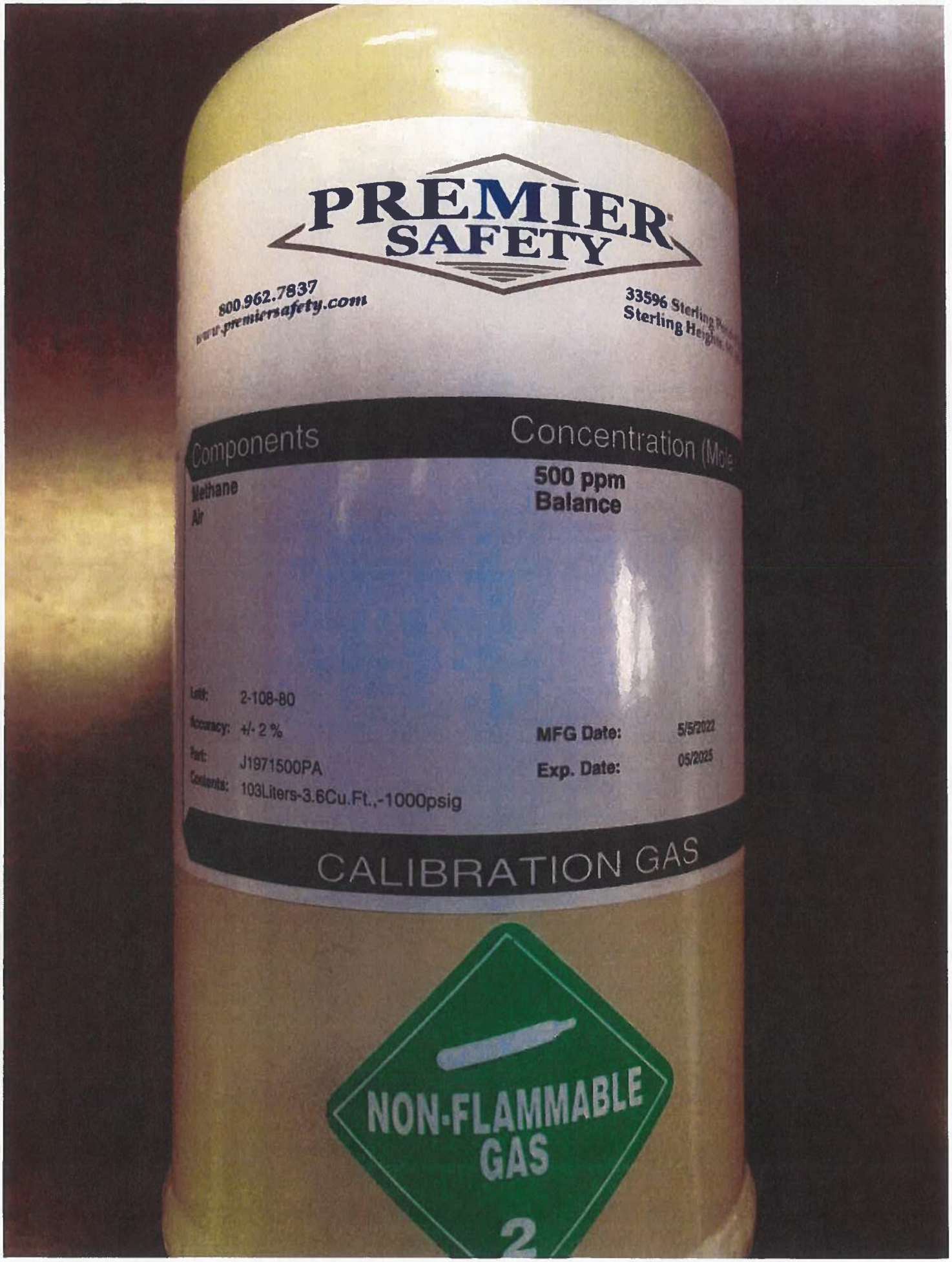
Component	Reported Concentration	Requested Concentration
Methane	500 ppm	500 ppm
Air	Balance	Balance

Storage: Keep away from heat, flames, and sparks. Store and use with adequate ventilation. Close valve when not in use and when empty. Never allow cylinder temperature to exceed 125 degrees F.

The cylinders in this lot were transfilled from cylinders prepared gravimetrically and traceable to the NIST by the certified weights used to calibrate the scale. The transfilled cylinders were then analyzed against standards traceable to the NIST by weights or SRMs. NIST Traceable Numbers are available upon request.

Approved: _____ Date Signed: 6/10/2022
David Reed
Lab Technician

898 W. GOWEN ROAD • BOISE, IDAHO 83705
Phone (208) 336-1643 • Fax (208) 331-3038 • 800-657-6672


PREMIER
SAFETY
800.962.7837
www.premiersafety.com
33596 Sterling
Sterling Heights
Components
Concentration (Mole
Methane
Air
500 ppm
Balance
Lot#: 2-108-80
Accuracy: +/- 2 %
Part: J1971500PA
Contents: 103Liters-3.6Cu.Ft.,-1000psig
MFG Date: 5/5/2022
Exp. Date: 05/2025
CALIBRATION GAS
NON-FLAMMABLE
GAS
2

RES Environmental Inc.

TVA1000B CALIBRATION VERIFICATION

CUSTOMER: RES Vault #1

SERIAL NUMBER: 16320832

TECHNICIAN: [signature] DATE: 1-7-23

GAS CALIBRATION CHECK (PERFORMED AT ROOM TEMPERATURE)

FID			
METHANE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
100	100	100	+/- 25
500	500	500	+/- 125
10000	10000	10,001	+/- 2500
< 1	ZERO GAS	0.69	< 3
PID			
ISOBUTYLENE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
50	50		+/- 12.5
100	100		+/- 25
500	500		+/- 125
< 1	ZERO GAS		< 3

All measurement standards are calibrated at scheduled intervals by the National Institute of Standards and Technology (NIST), or against certified standards, which are traceable to the National Institute of Standards and Technology.

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RES Environmental Inc.

TVA1000B CALIBRATION VERIFICATION

CUSTOMER: RES UNIT #2

SERIAL NUMBER: 7784545

TECHNICIAN: [signature] DATE: 1-7-23

GAS CALIBRATION CHECK (PERFORMED AT ROOM TEMPERATURE)

FID			
METHANE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
100	100	100	+/- 25
500	500	494	+/- 125
10000	10000	10,003	+/- 2500
< 1	ZERO GAS	0.69	< 3
PID			
ISOBUTYLENE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
50	50		+/- 12.5
100	100		+/- 25
500	500		+/- 125
< 1	ZERO GAS		< 3

All measurement standards are calibrated at scheduled intervals by the National Institute of Standards and Technology (NIST), or against certified standards, which are traceable to the National Institute of Standards and Technology.

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RES Environmental Inc.

TVA1000B CALIBRATION VERIFICATION

CUSTOMER: RES VAT #3

SERIAL NUMBER: 158658854

TECHNICIAN: [signature] DATE: 1-7-23

GAS CALIBRATION CHECK (PERFORMED AT ROOM TEMPERATURE)

FID			
METHANE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
100	100	99	+/- 25
500	500	499	+/- 125
10000	10000	10,000	+/- 2500
< 1	ZERO GAS	0.71	< 3
PID			
ISOBUTYLENE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
50	50	/	+/- 12.5
100	100	/	+/- 25
500	500	/	+/- 125
< 1	ZERO GAS		< 3

All measurement standards are calibrated at scheduled intervals by the National Institute of Standards and Technology (NIST), or against certified standards, which are traceable to the National Institute of Standards and Technology.

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RES Environmental Inc.

TVA1000B CALIBRATION VERIFICATION

CUSTOMER: RES Unit #4

SERIAL NUMBER: 16319830

TECHNICIAN: [signature] DATE: 1-7-23

GAS CALIBRATION CHECK (PERFORMED AT ROOM TEMPERATURE)

FID			
METHANE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
100	100	100	+/- 25
500	500	501	+/- 125
10000	10000	10,003	+/- 2500
< 1	ZERO GAS	0.59	< 3
PID			
ISOBUTYLENE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
50	50		+/- 12.5
100	100		+/- 25
500	500		+/- 125
< 1	ZERO GAS		< 3

All measurement standards are calibrated at scheduled intervals by the National Institute of Standards and Technology (NIST), or against certified standards, which are traceable to the National Institute of Standards and Technology.

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RES Environmental Inc.

TVA1000B CALIBRATION VERIFICATION

CUSTOMER: RES Unit # 5

SERIAL NUMBER: 4919480

TECHNICIAN: [signature] DATE: 1-7-23

GAS CALIBRATION CHECK (PERFORMED AT ROOM TEMPERATURE)

FID			
METHANE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
100	100	99	+/- 25
500	500	501	+/- 125
10000	10000	10,021	+/- 2500
< 1	ZERO GAS	0.61	< 3
PID			
ISOBUTYLENE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
50	50	/	+/- 12.5
100	100	/	+/- 25
500	500	/	+/- 125
< 1	ZERO GAS	/	< 3

All measurement standards are calibrated at scheduled intervals by the National Institute of Standards and Technology (NIST), or against certified standards, which are traceable to the National Institute of Standards and Technology.

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RES Environmental Inc.

TVA1000B CALIBRATION VERIFICATION

CUSTOMER: RES Unit #6

SERIAL NUMBER: 0720723626

TECHNICIAN: MM DATE: 1-7-23

GAS CALIBRATION CHECK (PERFORMED AT ROOM TEMPERATURE)

FID			
METHANE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
100	100	100	+/- 25
500	500	500	+/- 125
10000	10000	10,101	+/- 2500
< 1	ZERO GAS	0.53	< 3
PID			
ISOBUTYLENE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
50	50		+/- 12.5
100	100		+/- 25
500	500		+/- 125
< 1	ZERO GAS		< 3

All measurement standards are calibrated at scheduled intervals by the National Institute of Standards and Technology (NIST), or against certified standards, which are traceable to the National Institute of Standards and Technology.

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RES Environmental Inc.

TVA1000B CALIBRATION VERIFICATION

CUSTOMER: RES Van #7

SERIAL NUMBER: 07207236277

TECHNICIAN: [signature] DATE: 1-7-23

GAS CALIBRATION CHECK (PERFORMED AT ROOM TEMPERATURE)

FID			
METHANE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
100	100	100	+/- 25
500	500	501	+/- 125
10000	10000	10,200	+/- 2500
< 1	ZERO GAS	0.61	< 3
PID			
ISOBUTYLENE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
50	50		+/- 12.5
100	100		+/- 25
500	500		+/- 125
< 1	ZERO GAS		< 3

All measurement standards are calibrated at scheduled intervals by the National Institute of Standards and Technology (NIST), or against certified standards, which are traceable to the National Institute of Standards and Technology.

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RES Environmental Inc.

TVA1000B CALIBRATION VERIFICATION

CUSTOMER: RES Unit #9

SERIAL NUMBER: 0532113801

TECHNICIAN: MH DATE: 1-7-23

GAS CALIBRATION CHECK (PERFORMED AT ROOM TEMPERATURE)

FID			
METHANE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
100	100	100	+/- 25
500	500	500	+/- 125
10000	10000	10,000	+/- 2500
< 1	ZERO GAS	0.61	< 3
PID			
ISOBUTYLENE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
50	50		+/- 12.5
100	100		+/- 25
500	500		+/- 125
< 1	ZERO GAS		< 3

All measurement standards are calibrated at scheduled intervals by the National Institute of Standards and Technology (NIST), or against certified standards, which are traceable to the National Institute of Standards and Technology.

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RES Environmental Inc.

SURFACE EMISSION MONITORING INSTRUMENT
CALIBRATION LOG

Site: _____

Purpose: _____

Operator: JM CM

Date: 3-4-23 **Time:** 0530

Model # TVA-1000

Serial # #1 16320832

INSTRUMENT INTEGRITY CHECKLIST		INSTRUMENT CALIBRATION		
Battery test	(Pass) / Fail	CALIBRATION CHECK		
Reading following ignition	2.1 ppm	Calibration Gas (ppm)	Actual (ppm)	% Accuracy
Leak test	(Pass) / Fail / NA	500	500	100%
Clean system check (check valve chatter)	(Pass) / Fail / NA	RESPONSE TIME		
H_2 supply pressure gauge (acceptable range 9.5 - 12)	(Pass) / Fail / NA	Calibration Gas, ppm	500	
Date of last factory calibration	1-7-23	90% of Calibration Gas, ppm	450	
Factory calibration record w/instrument within 3 months	(Pass) / Fail	Time required to attain 90% of Cal Gas ppm		
		1.	6	
		2.	6	
		3.	5	
		Average	5.6	
		Equal to or less than 30 seconds?	(Y)	N
		Instrument calibrated to	CH4 gas.	

Comments: _____

465

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RES Environmental Inc.

SURFACE EMISSION MONITORING INSTRUMENT
CALIBRATION LOG

Site: _____

Purpose: _____

Operator: JM JM

Date: 3-4-23 **Time:** 0545

Model # TVA 1000

Serial # #2 784545

INSTRUMENT INTEGRITY CHECKLIST		INSTRUMENT CALIBRATION		
Battery test	(Pass) / Fail	CALIBRATION CHECK		
Reading following ignition	2.3 ppm	Calibration Gas (ppm)	Actual (ppm)	% Accuracy
Leak test	(Pass) / Fail / NA	500	500	100%
Clean system check (check valve chatter)	(Pass) / Fail / NA	RESPONSE TIME		
H_2 supply pressure gauge (acceptable range 9.5 - 12)	(Pass) / Fail / NA	Calibration Gas, ppm	500	
Date of last factory calibration	1-9-23	90% of Calibration Gas, ppm	450	
Factory calibration record w/instrument within 3 months	(Pass) / Fail	Time required to attain 90% of Cal Gas ppm		
		1.	6	
		2.	6	
		3.	5	
		Average	5.6	
		Equal to or less than 30 seconds?	(Y)	N
		Instrument calibrated to	CH4 gas.	

Comments: _____

465

RES Environmental Inc.

SURFACE EMISSION MONITORING INSTRUMENT
CALIBRATION LOG

Site: _____

Purpose: _____

Operator: JM JM

Date: 3-4-23 Time: 0600

Model # TVA1000

Serial # #2 7784545

INSTRUMENT INTEGRITY CHECKLIST		INSTRUMENT CALIBRATION
Battery test	(Pass) / Fail	CALIBRATION CHECK
Reading following ignition	2.6 ppm	Calibration Gas (ppm): 500 / Actual (ppm): 500 / % Accuracy: 100%
Leak test	(Pass) / Fail / NA	RESPONSE TIME
Clean system check (check valve chatter)	(Pass) / Fail / NA	Calibration Gas, ppm: 500
H_2 supply pressure gauge (acceptable range 9.5 - 12)	(Pass) / Fail / NA	90% of Calibration Gas, ppm: 450
Date of last factory calibration	1-7-23	Time required to attain 90% of Cal Gas ppm
Factory calibration record w/instrument within 3 months	(Pass) / Fail	1. 6 2. 6 3. 6 Average 6.0
		Equal to or less than 30 seconds? (Y) N
		Instrument calibrated to CH4 gas.

Comments: _____

465

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RES Environmental Inc.

SURFACE EMISSION MONITORING INSTRUMENT
CALIBRATION LOG

Site: _____

Purpose: _____

Operator: _____

Date: 3-4-23 **Time:** 0615

Model # TVA 1000

Serial # #3 15865884

INSTRUMENT INTEGRITY CHECKLIST		INSTRUMENT CALIBRATION
Battery test	(Pass) / Fail	CALIBRATION CHECK
Reading following ignition	1.9 ppm	Calibration Gas (ppm): 500 — Actual (ppm): 500 — % Accuracy: 100%
Leak test	(Pass) / Fail / NA	RESPONSE TIME
Clean system check (check valve chatter)	(Pass) / Fail / NA	Calibration Gas, ppm: 500
H_2 supply pressure gauge (acceptable range 9.5 - 12)	(Pass) / Fail / NA	90% of Calibration Gas, ppm: 450
Date of last factory calibration	1-7-23	Time required to attain 90% of Cal Gas ppm: 1. 6; 2. 6; 3. 7; Average 6.3
Factory calibration record w/instrument within 3 months	(Pass) / Fail	Equal to or less than 30 seconds? (Y) N
		Instrument calibrated to CH4 gas.

Comments: _____

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RES Environmental Inc.

SURFACE EMISSION MONITORING INSTRUMENT
CALIBRATION LOG

Site: _____

Purpose: _____

Operator: JM CM

Date: 3-4-23 **Time:** 0630

Model # TVA 1000

Serial # #4 16319830

INSTRUMENT INTEGRITY CHECKLIST		INSTRUMENT CALIBRATION
Battery test	(Pass) / Fail	CALIBRATION CHECK
Reading following ignition	2.3 ppm	Calibration Gas (ppm): 500 — Actual (ppm): 500 — % Accuracy: 100%
Leak test	(Pass) / Fail / NA	RESPONSE TIME
Clean system check (check valve chatter)	(Pass) / Fail / NA	Calibration Gas, ppm: 500
H_2 supply pressure gauge (acceptable range 9.5 - 12)	(Pass) / Fail / NA	90% of Calibration Gas, ppm: 450
Date of last factory calibration	1-7-23	Time required to attain 90% of Cal Gas ppm: 1. 6; 2. 6; 3. 5
Factory calibration record w/instrument within 3 months	(Pass) / Fail	Average: 5.6
		Equal to or less than 30 seconds? (Y) N
		Instrument calibrated to CH4 gas.

Comments: _____

465

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RES Environmental Inc.

SURFACE EMISSION MONITORING INSTRUMENT
CALIBRATION LOG

Site: _____

Purpose: _____

Operator: _____

Date: 3-4-23 **Time:** 0645

Model # TVA 1000

Serial # #5 4919480

INSTRUMENT INTEGRITY CHECKLIST		INSTRUMENT CALIBRATION		
Battery test	(Pass) / Fail	CALIBRATION CHECK		
Reading following ignition	2.1 ppm	Calibration Gas (ppm)	Actual (ppm)	% Accuracy
Leak test	(Pass) / Fail / NA	500	500	100%
Clean system check (check valve chatter)	(Pass) / Fail / NA	RESPONSE TIME		
H_2 supply pressure gauge (acceptable range 9.5 - 12)	(Pass) / Fail / NA	Calibration Gas, ppm	500	
Date of last factory calibration	1-7-23	90% of Calibration Gas, ppm	450	
Factory calibration record w/instrument within 3 months	(Pass) / Fail	Time required to attain 90% of Cal Gas ppm		
		1.	5	
		2.	5	
		3.	5	
		Average	5.0	
		Equal to or less than 30 seconds?	(Y)	N
		Instrument calibrated to	City	gas.

Comments: _____

465

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RES Environmental Inc.

SURFACE EMISSION MONITORING INSTRUMENT
CALIBRATION LOG

Site: _____

Purpose: _____

Operator: _____

Date: 3-4-23 **Time:** 0700

Model # TVA 1000

Serial # #6 0720723626

INSTRUMENT INTEGRITY CHECKLIST		INSTRUMENT CALIBRATION
Battery test	(Pass) / Fail	CALIBRATION CHECK
Reading following ignition	2.4 ppm	Calibration Gas (ppm): 500 / Actual (ppm): 500 / % Accuracy: 100%
Leak test	(Pass) / Fail / NA	RESPONSE TIME
Clean system check (check valve chatter)	(Pass) / Fail / NA	Calibration Gas, ppm: 500
H_2 supply pressure gauge (acceptable range 9.5 - 12)	(Pass) / Fail / NA	90% of Calibration Gas, ppm: 450
Date of last factory calibration	1-7-23	Time required to attain 90% of Cal Gas ppm: 1. 5 / 2. 5 / 3. 6 / Average 5.3
Factory calibration record w/instrument within 3 months	(Pass) / Fail	Equal to or less than 30 seconds? (Y) N
		Instrument calibrated to Clean gas.

Comments: _____

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RES Environmental Inc.

SURFACE EMISSION MONITORING INSTRUMENT
CALIBRATION LOG

Site: _____

Purpose: _____

Operator: _____

Date: 3-4-23 **Time:** 0715

Model # TVA1000

Serial # #1 0770723627

INSTRUMENT INTEGRITY CHECKLIST		INSTRUMENT CALIBRATION		
Battery test	(Pass) / Fail	CALIBRATION CHECK		
Reading following ignition	2.6 ppm	Calibration Gas (ppm)	Actual (ppm)	% Accuracy
Leak test	(Pass) / Fail / NA	500	500	100%
Clean system check (check valve chatter)	(Pass) / Fail / NA	RESPONSE TIME		
H_2 supply pressure gauge (acceptable range 9.5 - 12)	(Pass) / Fail / NA	Calibration Gas, ppm	500	
Date of last factory calibration	1-7-23	90% of Calibration Gas, ppm	450	
Factory calibration record w/instrument within 3 months	(Pass) / Fail	Time required to attain 90% of Cal Gas ppm		
		1.	5	
		2.	6	
		3.	5	
		Average	5.3	
		Equal to or less than 30 seconds?	(Y)	N
		Instrument calibrated to	CO/y	gas.

Comments: _____

465

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WASTE MANAGEMENT

8491 Fruitridge Road
Sacramento, CA 95826
(510) 714-6098

July 31, 2023

Mr. Mark Grady
2801 Madera Road
Simi Valley, California 93065

Second Quarter 2023 Surface Emissions and Component Leak Monitoring Report for the Simi Valley Landfill and Recycling Center

Dear Mr. Grady:

This monitoring report for the **"Simi Valley Landfill and Recycling Center (SVLRC)"** contains the results of the Second Quarter 2023 Integrated and Instantaneous Surface Emissions Monitoring (SEM) and Component Leak Monitoring. Initial surface emissions monitoring was performed by Roberts Environmental Services, LLC. (RES). Re-monitoring of site-wide surface emissions and component leak monitoring was also conducted by RES personnel.

APPLICABLE REQUIREMENTS

The monitoring discussed in this report was conducted in accordance with the following requirements:

Surface Emission Monitoring (SEM)

- California Code of Regulations (CCR) Title 17, Subchapter 10, Article 4, Subarticle 6, §95460 to §95476, known as the Assembly Bill 32 (AB32) landfill methane rule (LMR).

- New Source Performance Standard (NSPS), Title 40 of the Code of Federal Regulations (CFR) §60.755 (c) and (d), 40 CFR 60, Appendix A Method 21; and updated Title 40 CFR part 63, Subpart AAAA (63.1960), promulgated by the United States Environmental Protection Agency (USEPA).

- Ventura County Air Pollution Control District (VCAPCD) Rule 74.17.1 (Municipal Solid Waste Landfills)

Component Leak

- California Code of Regulations (CCR) Title 17, Subchapter 10, Article 4, Subarticle 6, §95460 to §95476, known as the Assembly Bill 32 (AB32) landfill methane rule (LMR).

SVLRC Plan and Alternative Compliance Measures

An Alternative Compliance Option (ACO) Request was submitted to the California Air Resources Board (CARB) on May 24, 2011. A response from the CARB was not received to the ACO Request within 120 days from the date of submittal, therefore SVLRC assumes that the alternative compliance measures, monitoring requirements, and test measures and procedures were deemed acceptable as of September 21, 2011, per CCR Title 17 §95468(c).

All monitoring and reporting was completed in accordance with the 2011 SVLRC AB-32 SEM Plan.

PROCEDURES

General

The surface of the SVLRC disposal area has been divided into one-hundred eighty-five (185), (approximately) 50,000 square foot monitoring grids. The entire landfill surface is monitored with the exception of active portions of the Landfill, slope areas, and as requested in the approved ACO, areas containing only asbestos-containing waste, inert waste and/or non-decomposable waste which are excluded for safety as allowed by CCR Title 17 §95466.

Field personnel walked the surface of the landfill following the walking pattern as depicted the 2011 SVLRC AB-32 SEM Plan, which traverses each monitoring grid. Additionally, in accordance with the provisions of 40 CFR 60.753(d) and 60.755(c)(1-3) and 63.1960, the entire perimeter of the landfill surface was monitored. During the event, special attention was given to monitoring unusual cover conditions (stressed vegetation, cracks, seeps, etc.) and any areas with unusual odors. In addition, penetrations were monitoring per Title 40 CFR part 63, Subpart AAAA (63.1960).

Instantaneous Surface Emissions Monitoring

The Instantaneous SEM was conducted using a Toxic Vapor Analyzer (TVA) 1000 flame ionization detector (FID), which was calibrated to 500 parts per million by volume (ppmv) methane, which meets or exceeds all guidelines set forth in the CCR Title 17 §95471(a). The FID was calibrated prior to use in accordance with the United States Environmental Protection Agency (USEPA) Method 21 requirements. The Instantaneous SEM procedures followed the requirements of 40 CFR 60.755 (c) and (d), CCR Title 17 §95471(c)(2), VCAPCD Rule 74.1.7, and 40 CFR part 63, Subpart AAAA 63.1960.

RES personnel walked the surface of the landfill on a grid-by-grid basis with the wand tip held at 3 inches from the landfill surface. While sampling the grid, the technicians also checked any surface impoundments (wells or otherwise) for leaks. Technicians also checked any surface cracks, seeps, or other areas that show evidence of surface emissions (odors or distressed vegetation). Active and sloped areas excluded for safety were documented on field data sheets and maps.

All instantaneous surface monitoring was performed in accordance with the applicable requirements referenced in this report. Any detections of methane above 200 ppmv (areas of concern) or 500 ppmv (exceedances) for instantaneous were recorded, flagged, and marked on an SEM Map, which, wherever required, is included in the Attachments of this report. Applicable corrective action and re-monitoring timelines are listed below:

- Re-monitoring shall be conducted within 10 days of the initial exceedance.
    - If the re-monitoring event shows the exceedance is corrected, the location shall be re-monitored within 1 month of the initial exceedance.
    - If the 1-month re-monitoring event shows the location is still corrected, all re-monitoring requirements have been completed.
- If either the first 10-day or 1-month re-monitoring events show a second exceedance, additional corrective actions shall be completed and a second re-monitoring event shall be conducted within 10 days of the second exceedance.
- If the second 10-day re-monitoring event shows the second exceedance is corrected, the location shall be re-monitored within 1 month of the initial exceedance. If the 1-month re-monitoring event shows the area is still corrected, monitoring requirements have been completed.
- If any location shows three exceedances, an additional well shall be installed within 120 days of the initial exceedance.

Integrated Surface Emissions Monitoring

The Integrated surface monitoring was conducted using a TVA 1000 calibrated to 25 ppmv for the integrated monitoring, which meets or exceeds all guidelines set forth in the CCR Title 17 §95471(a). The field technician traversed the grid walking path over a continuous 25-minute period using the TVA 1000 held at 3 inches above the landfill surface. The Integrated monitoring procedures followed the requirements of CCR Title 17 §95471(c)(2).

Grids with results greater than 25 ppmv were recorded, marked on the SEM map, and flagged for remediation. Any grids with integrated concentrations greater than 25 ppmv are subject to the following corrective action and re-monitoring timeline:

- Re-monitoring shall be conducted within 10 days of the initial exceedance.
- If the 10-day re-monitoring event shows the exceedance is corrected, all re-monitoring requirements have been completed.

- If either the first 10-day re-monitoring event shows a second grid exceedance, additional corrective actions shall be completed and a second re-monitoring event shall be conducted within 10 days of the second exceedance.

- If the second 10-day re-monitoring event shows the second exceedance is corrected, all re-monitoring requirements have been completed.

- If the second 10-day re-monitoring event shows a third grid exceedance, an additional well shall be installed within 120 days of the initial exceedance.

Component Leak Monitoring Procedures

RES personnel monitored the exposed LFG components under positive pressure (pipes, wellheads, valves, blowers, and other mechanical appurtenances) using a TVA 1000 calibrated to 500 ppmv. All leaks measured one half inch or less from the component exceeding the compliance limit of 500 ppmv per requirements outlined in pursuant to CARB Title 17 of California Code of Regulations Subchapter 10, Article 4, Subarticle 6, Section 95464(b)(1)(B) were recorded. Applicable corrective action and re-monitoring timelines are listed below:

- Leaks at or above 500 ppmv must be corrected and re-monitored within 10 days of the initial exceedance.

SECOND QUARTER SEM AND COMPONENT LEAK RESULTS

The following is a summary of the SEM and Component leak monitoring results completed during the Second Quarter 2023.

Instantaneous Surface Emission Monitoring Results

The Instantaneous surface monitoring was performed on June 5, 6, 7, 8, 20, 21 and 26, 2023 in accordance with the NSPS NESHAP, Rule 74.1.17, CCR Title 17 §95469 and ACO. Results and data from the monitoring are presented in Attachment A.

Initial Monitoring Event Exceedances of 500 ppmv

There were one-hundred seven (107) exceedances of 500 ppmv as methane detected during the initial monitoring events conducted on June 5, 6, 7, 8, 20, 21 and 26, 2023. RES personnel remediated the locations, and the following re-monitoring was conducted as described below.

First Ten-Day Re-Monitoring Results

RES personnel performed the first ten-day re-monitoring events on June 15, 22 and July 7, 2023 (pushed day due to active heavy equipment). Seven (7) exceedances were observed during the ten-day re-monitoring event. RES personnel remediated the locations, and the following re-monitoring was conducted as described below.

Second Ten-Day Re-Monitoring Results

RES personnel performed the second ten-day re-monitoring event on June 22, 30 and July 3 and 13, 2023 (pushed back due to active heavy equipment). No exceedances were observed during the second ten-day re-monitoring event.

Thirty-Day Re-Monitoring Results

RES personnel performed the thirty-day monitoring events on July 3, 7, and 20, 2023. No exceedances were observed during the thirty-day re-monitoring events.

Readings between 200 ppmv and 499 ppmv (Initial and Re-monitored)

There were one-hundred two (102) readings between 200 ppmv and 499 ppmv, measured as methane detected during the initial monitoring events on June 5, 6, 7, 8 and 26, 2023, respectively. Pursuant to CCR Title 17 §95471(c), instantaneous surface emissions exceeding 200 ppmv but below 500 ppmv are required to be recorded. As a best management practice, if these readings occur, SVLRC voluntarily addresses these locations by remediating and re-monitoring all those within this range, during the 10-day re-checks. Therefore, SVLRC and RES personnel performed ten-day re-checks on June 15 and July 7, 2023, respectively, and ninety-nine (99) of the one-hundred two (102) readings were below 200 ppmv, with continued

remediation conducted on the remaining three (3). The goal of this is effort is to reduce any future exceedances to improve and reduce overall odors/emissions. Results, if applicable, are summarized in Attachment A.

Integrated Surface Emissions Monitoring Results

The Integrated surface sampling (ISS) was performed on June 8, 19, 20, 21, 26 and 30, 2023, in accordance with the ACO, requirements outlined in CCR Title 17 §95469, and VCAPCD Rule 74.1.17. See Attachment B for details.

Initial Monitoring Event Exceedances of 25 ppmv

There were seven (7) grids with an exceedance above 25 ppmv as methane detected during the initial monitoring events conducted on June 20, 21 and 26, 2023. SVLRC personnel remediated the locations, and the following re-monitoring was conducted as described below.

Ten-Day Re-Monitoring Results

RES personnel performed the ten-day re-monitoring events on June 30 and July 6, 2023. No exceedances were observed during the ten-day re-monitoring events.

The average methane concentration of each grid was recorded during the monitoring event per applicable requirements. See Attachment B for details.

Component Leak Monitoring Results

Component leak monitoring was conducted per the applicable requirements on June 26, 2023. There were zero (0) locations with a component leak detection of greater than 500 ppmv. See Attachment C for details.

WEATHER CONDITIONS

Wind Speed Conductions during the Surface Emission Monitoring Events

Wind speeds during initial monitoring were monitored using a portable weather station. The station has a strip chart that records the wind speed and direction. After completion of monitoring, the strip chart is reviewed by RES office staff to determine the average and maximum wind speeds during the monitoring and the average wind direction during each grid and ensure that the wind speed requirements are met (no gusts greater than 20 mph, average wind speed cannot exceed 10 mph). These values are documented in the field data sheets. The chart data is scanned and included in Attachment D.

Precipitation Requirements

Per the SVLRC's ACO, the initial monitoring event was carefully scheduled so that it could be conducted in compliance with the precipitation requirements (no measurable precipitation within

24 hours). Re-monitoring events are required to adhere to strict timelines. Any conflicts with precipitation requirements are discussed in the results section of this document.

EQUIPMENT CALIBRATION

The portable analyzers were calibrated to meet the instrument specifications requirements of U.S. EPA Method 21. The calibration gas used was methane, diluted to a nominal concentration of 25 ppmv in air for integrated sample analyses and 500 ppmv in air for instantaneous monitoring to comply with the requirements.

All analyzers were calibrated prior to use with required response time and precision related instrument checks. Calibration records include the following: One time response time test record; One time response factor determination for methane; Calibration Precision test records (test to be performed every 3 months); and Daily Instrument Calibration and Background test records for each gas meter that was used during the quarterly monitoring event. The calibration log records are included in Attachment E.

All monitoring was completed in accordance with the applicable regulatory requirements or approved alternatives. If you have any questions regarding this report, please do not hesitate to contact the undersigned at (510) 714-6098.

Thank you,
Waste Management

Collin Pavelchik
Environmental Protection Air Quality Specialist

Attachment A – Instantaneous Surface Emission Monitoring Event Records

- Monitoring Logs and Exceedances
- Surface Monitoring Weather Data
- SEM Map

Attachment B – Integrated Surface Emission Monitoring Event Records

- Monitoring Logs and Exceedances
- Surface Monitoring Weather Data
- SEM Map

Attachment C – Component Leak Monitoring Event Records

- Component Leak Exceedances and Monitoring Logs

Attachment D – Weather Station Data

- Strip Chart Data and Legend

Attachment E – Calibration Records

- Instrument and Gas Calibration Records

Attachment A

Instantaneous Surface Emission Monitoring Event Records

SIMI VALLEY LANDFILL
INSTANTANEOUS LANDFILL SURFACE MONITORING

Personnel: G. Lopez
I. Carson
E. De Lira

Cal. Gas Exp. Date: 5/25

Date: 6/5/23 Instrument Used: Inspectra Grid Spacing: 25'

Temperature: 77° Precip: 0 Upwind BG: _____ Downwind BG: _____

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM	WIND INFORMATION			REMARKS
					AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
108	GL	0850	0856	3.60	4	7	S	
109	GL	0859	0914	28.40	6	8	S	
110	GL	0926	0941	60.50	6	10	7	
111	GL	0942	0959	116.00	5	9	7	
85	GL	1007	1021	7.80	6	9	7	
86	GL	1041	1052	11.40	6	10	7	Vegetation
87	GL	1056	1106	3.10	6	12	7	Vegetation
88	GL	1107	1122	3.40	4	7	S	
89	GL	1124	1134	4.40	3	5	10	Vegetation
107	TC	0848	0902	6.80	4	7	S	High vegetation
106	TC	0905	0917	19.00	5	8	S	High vegetation
105	TC	0919	0934	121.30	6	10	7	
104	TC	0935	0950	89.20	5	8	7	
92	TC	0951	1001	5.50	5	9	7	Block Piles
91	TC	1003	1015	12.00	7	10	6	
84	TC	1038	1053	7.90	6	10	7	
83	TC	1058	1110	91.80	6	12	7	High vegetation
82	TC	1112	1122	75.10	4	7	S	
81	TC	1124	1139	185.90	3	5	10	
73	ED	0805	0821	63.80	3	6	10	Rock Stockpile
72	ED	0825	0842	11.50	4	6	7	DIRT Stockpile
71	ED	0850	0905	23.80	4	7	S	
70	ED	0907	0923	1,645	6	9	S	DIRT Stockpile
69	ED	0930	0950	252.70	5	8	7	
68	ED	0955	1015	10,699	7	10	6	
74	ED	1042	1103	7.00	6	12	7	
75	ED	1108	1125	100.30	4	7	E	
32	ED	1131	1148	27.30	4	6	10	
33	ED	1151	1207	4.10	5	10	10	ReBAR

Attach Calibration Sheet
Attach site map showing grid ID

Page 1 of 1

SIMI VALLEY LANDFILL
INSTANTANEOUS LANDFILL SURFACE MONITORING

Personnel: G. Lopez, A. Lopez
E. De Lara
T. Carson
Cal. Gas Exp. Date: 5/25

Date: 10/10/23 Instrument Used: Inspection Grid Spacing: 25'

Temperature: 75° Precip: 0 Upwind BG: _____ Downwind BG: _____

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM	WIND INFORMATION			REMARKS
					AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
27	GL	0753	0808	613.20	4	6	6	Vegetation
26	GL	0812	0827	98.90	5	7	6	Vegetation
25	GL	0829	0844	352.00	5	7	6	Vegetation
24	GL	0852	0902	263.60	5	10	6	Vegetation
23	GL	0908	0923	225.40	5	10	6	Loose DIRT
22	GL	0926	0941	257.10	6	10	6	gravel
21	GL	0945	1000	80.70	6	7	5	
20	GL	1001	1015	38.60	6	9	5	
19	GL	1016	1030	14.40	7	10	5	
18	GL	1031	1035	14.10	5	9	6	STEEP Slope / Loose DIRT
114	GL	1127	1138	232.70	6	8	6	Active Road
113	GL	1143	1153	1,110	5	7	6	Rock Stockpile
17	ED	0752	0812	50.60	5	8	6	
16	ED	0815	0840	128.70	5	7	6	
15	ED	0845	0900	86.40	5	10	6	
14	ED	0905	0922	55.10	5	10	6	
13	ED	0925	0940	90.00	6	10	6	
12	ED	0942	0958	67.70	6	7	5	
11	ED	1005	1016	45.30	6	9	5	
10	ED	1018	1038	109.90	5	9	6	
9	ED	1040	1055	52.70	8	10	6	
8	ED	1055	1110	44.20	4	6	7	
112	ED	1135	1200	303.20	8	10	7	
7	TC	0758	0808	16.00	4	6	6	Fence
6	TC	0810	0821	6.70	5	7	6	Fence
5	TC	0822	0836	3.50	5	7	6	Fence
4	TC	0840	0853	3.10	6	10	6	Fence
3	TC	0855	0909	3.00	7	11	6	Fence
2	TC	0911	0923	42.60	5	10	6	
1	TC	0925	0932	21.10	5	10	6	

Attach Calibration Sheet
Attach site map showing grid ID

SIMI VALLEY LANDFILL
INSTANTANEOUS LANDFILL SURFACE MONITORING

Personnel: G. Lopez, A. Lopez
E. De Lora
T. Carson
Cal. Gas Exp. Date: 5/25

Date: 6/6/23 Instrument Used: Inspector Grid Spacing: 25'

Temperature: 75° Precip: 0 Upwind BG: _____ Downwind BG: _____

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM	WIND INFORMATION			REMARKS
					AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
54	TC	0931	0943	14.70	6	10	6	
53	TC	0945	1001	6.80	6	7	5	
52	TC	1002	1008	37.90	5	8	6	Steep Slope
45	TC	1041	1050	76.20	8	10	6	Vegetation
62	TC	1100	1109	41.00	4	6	7	
61	TC	1109	1117	30.60	5	10	5	
46	TC	1124	1136	18.90	6	8	6	
55	AL	0801	0816	9,589	5	7	6	
56	AL	0819	0834	682.40	5	7	6	
57	AL	0835	0850	87.70	6	10	6	
58	AL	0854	0904	85.20	5	10	6	Vegetation
49	AL	0910	0925	82.80	5	10	6	
50	AL	0927	0942	153.00	6	10	6	
51	AL	0943	0958	107.60	6	7	5	
48	AL	1038	1053	36.60	8	10	6	Vegetation
59	AL	1058	1108	54.50	4	6	7	Heavy Equipment
60	AL	1109	1119	40.60	5	10	5	Vegetation
47	AL	1127	1137	11.70	6	8	6	Vegetation

Attach Calibration Sheet
Attach site map showing grid ID

SIMI VALLEY LANDFILL
INSTANTANEOUS LANDFILL SURFACE MONITORING

Personnel: G. Lopez
A. Lopez
E. De Lira

Cal. Gas Exp. Date: 5/25

Date: 6-7-23 Instrument Used: Inspectra Grid Spacing: 24'

Temperature: 78° Precip: 0 Upwind BG: _____ Downwind BG: _____

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM	WIND INFORMATION			REMARKS
					AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
115	GL	0740	0751	88.70	4	5	14	Vegetation
80	GL	0805	0810	268.70	3	6	10	Vegetation
76	GL	0822	0831	273.50	1	2	10	
31	GL	0841	0856	6.00	3	5	10	
30	GL	0859	0909	9.80	4	6	10	Vegetation
77	GL	0911	0921	8.40	4	6	10	Haul Road
78	GL	0927	0932	3.00	4	6	10	Haul Road
29	GL	0934	0939	2.60	5	7	10	Haul Road
28	GL	0940	0954	11.10	4	7	10	
79	GL	0958	1005	19.50	4	7	10	
164	GL	1043	1058	256.50	5	7	10	
163	GL	1100	1110	183.80	4	7	10	Haul Road
162	GL	1111	1116	8.40	4	7	10	TRASH Mounds
160	GL	1118	1123	35.20	5	7	10	TRASH Mounds
34	AL	0751	0806	9.10	4	6	12	
35	AL	0808	0823	15.40	3	5	10	
36	AL	0827	0842	47.50	3	5	9	
37	AL	0843	0853	3.50	3	5	10	Veg & DIRT Stockpile
38	AL	0855	0905	3.10	4	6	10	Heavy Equipment
39	AL	0907	0917	3.30	4	6	10	Heavy Equipment
40	AL	0918	0928	4.30	4	6	10	DIRT Pile
41	AL	0929	0939	38.60	5	7	10	DIRT Pile
42	AL	0941	0949	12.40	5	7	10	Vegetation
43	AL	0953	1003	16.40	4	7	10	Vegetation
44	AL	1003	1013	29.40	4	6	10	Vegetation
165	AL	1048	1103	45.70	3	6	10	
166	AL	1105	1115	816.40	4	7	10	mulch Pile
177	AL	1116	1131	193.30	5	7	9	
178	AL	1131	1146	523.40	5	7	10	
145	ED	0735	0755	2,900	4	5	14	STEEP SLOPE/TRAFFIC

Attach Calibration Sheet
Attach site map showing grid ID

SIMI VALLEY LANDFILL
INSTANTANEOUS LANDFILL SURFACE MONITORING

Personnel: G. Lopez, T. Corsen, A. Lopez, E. DeLira

Cal. Gas Exp. Date: 5/25

Date: 6-7-23 Instrument Used: Inspectra Grid Spacing: 25'

Temperature: 78° Precip: 0 Upwind BG: _____ Downwind BG: _____

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM	WIND INFORMATION			REMARKS
					AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
144	ED	0800	0825	800.60	3	5	10	Heavy Equipment
143	ED	0830	0900	300.10	4	6	10	Heavy Equipment
142	ED	0905	0930	84.80	4	6	10	
141	ED	0932	0947	385.00	5	7	10	
140	ED	0950	1013	3,415	4	6	10	Heavy Equipment
152	ED	1020	1035	277.90	4	7	9	Heavy Equipment
151	ED	1035	1055	126.10	5	7	10	Heavy Equipment
150	ED	1055	1110	115.50	4	7	10	
149	ED	1110	1120	108.70	5	7	10	Heavy Equipment
192	ED	1135	1146	153.20	5	7	10	Liner
191	ED	1148	1159	167.50	5	10	10	Liner
103	TC	0743	0755	39.60	4	5	14	
102	TC	0756	0828	78.30	3	5	10	
101	TC	0830	0845	24.90	3	5	10	
100	TC	0847	0857	25.80	3	5	10	Vegetation
99	TC	0858	0911	17.00	4	6	10	
98	TC	0912	0926	45.00	4	6	10	
97	TC	0930	0942	5.10	5	7	10	
96	TC	0946	0958	10.90	4	7	10	
95	TC	0959	1013	14.20	4	6	10	
94	TC	1015	1022	13.50	4	7	10	Vegetation
93	TC	1027	1036	76.50	5	7	10	
194	TC	1134	1141	126.80	5	7	10	Liner
193	TC	1143	1153	76.50	5	10	10	Liner

Attach Calibration Sheet
Attach site map showing grid ID

SIMI VALLEY LANDFILL
INSTANTANEOUS LANDFILL SURFACE MONITORING

Personnel: G. Lopez
T. Carlson
E. De Lira

Cal. Gas Exp. Date: 5/25

Date: 6-8-23 Instrument Used: TWSpectras Grid Spacing: 25'

Temperature: 77° Precip: 0 Upwind BG: _____ Downwind BG: _____

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM	WIND INFORMATION			REMARKS
					AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
184	GL	0737	0757	401.00	2	3	2	
183	GL	0754	0808	551.50	1	2	2	
182	GL	0810	0825	394.90	1	3	12	
90	GL	0850	0900	252.80	2	4	12	Mound Pile
63	GL	0908	0925	92.40	2	4	10	
62	GL	0928	0932	208.70	4	7	12	Vegetation
148	TC	0737	0744	434.70	3	3	2	
147	TC	0745	0759	566.80	2	3	2	
146	TC	0803	0810	220.30	1	2	2	
157	TC	0811	0818	43.60	2	2	12	Active
121	TC	0850	0900	104.90	2	4	12	Active
188	ED	0807	0817	56.70	2	2	12	TARP
190	ED	0732	0742	243.70	3	3	2	TARP

Attach Calibration Sheet
Attach site map showing grid ID

SIMI VALLEY LANDFILL
INSTANTANEOUS LANDFILL SURFACE MONITORING

Personnel: MioRuG _____ _____ _____

_____ _____ _____

_____ _____ Cal. Gas Exp. Date: _____

Date: 6-8-23 Instrument Used: _____ Grid Spacing: _____

Temperature: _____ Precip: _____ Upwind BG: _____ Downwind BG: _____

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM	WIND INFORMATION			REMARKS
					AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
116								Active Heavy Equipment
123								
124								
125								
126								
127								
128								
129								
130								
131								
132								
133								
134								
135								
136								
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203								
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187								
186								

Attach Calibration Sheet
Attach site map showing grid ID

SIMI VALLEY LANDFILL
INSTANTANEOUS LANDFILL SURFACE MONITORING

Personnel: MIORUS _____ _____ _____

_____ _____ _____

_____ _____ Cal. Gas Exp. Date: _____

Date: 6-8-23 Instrument Used: _____ Grid Spacing: _____

Temperature: _____ Precip: _____ Upwind BG: _____ Downwind BG: _____

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM	WIND INFORMATION			REMARKS
					AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
185								Active Heavy Equipment
117								
118								
119								
120								
161								
167								
169								
170								
171								
172								
173								
174								
175								
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199								
200								
201								
181								Heavy Equipment
180								
179								

Attach Calibration Sheet
Attach site map showing grid ID

Page 2 of 2

SIMI VALLEY LANDFILL
INSTANTANEOUS LANDFILL SURFACE MONITORING

Personnel: E. DeLira, D. Anderson, A. Lopez

Cal. Gas Exp. Date: 5/25

Date: 6-26-23 Instrument Used: Inspectra Grid Spacing: 25FT

Temperature: 79 Precip: 0 Upwind BG: _____ Downwind BG: _____

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM	WIND INFORMATION			REMARKS
					AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
195	ED	0925	0935	574.5	4	5	12	TARP
196	ED	0935	0945	587.9	5	7	12	TARP
197	ED	0950	1000	179.7	4	7	12	TARP
198	ED	1000	1010	101.6	5	7	12	TARP
199	ED	1010	1025	105.7	3	5	13	TARP/TRASH PILE
200	ED	1025	1035	67.6	3	4	6	TARP/TRASH PILE
201	ED	1040	1055	68.6	4	6	12	TARP/TRASH PILE
185	ED	1115	1125	3.8	5	8	12	
186	ED	1125	1135	1.8	5	7	12	STEEP SLOPES
167	DA	0958	1013	220.3	5	7	12	TARP
161	DA	1021	1036	9.0	3	4	6	
159	DA	1040	1055	11.2	4	6	12	
179	DA	1102	1117	83.4	5	7	12	
180	DA	1119	1134	68.5	5	7	12	
181	DA	1135	1150	84.8	6	10	12	
169	AL	0947	1002	8.4	4	7	12	
170	AL	1002	1017	8.6	5	7	12	
171	AL	1018	1033	65.0	3	4	6	
172	AL	1034	1049	104.7	2	5	6	
173	AL	1050	1105	150.7	4	6	12	
174	AL	1106	1116	154.8	5	7	12	WASTE
187	ED	1135	1145	2.1	6	10	12	TARP

Attach Calibration Sheet
Attach site map showing grid ID

Page 1 of 1

SIMI VALLEY SEM

2ND QTR 2023

PENETRATION ID	GRID #	INITIAL (PPM)	1st 10 DAY (PPM)	2nd 10 DAY (PPM)	1st 30 DAY (PPM)	3rd 10 DAY (PPM)	2nd 30 DAY (PPM)
SIMW0057	2	4.9					
SIMW0809	3	3.2					
SIMW0019	4	2.9					
SIMW0001	6	2.4					
SIMW0002	6	2.3					
SIMW0808	7	3.1					
SIMW0020	8	3.71					
SIMW1808	8	2.9					
SIMW0004	9	3.4					
SIMW0006	10	3.3					
SIMH021S	11	3.3					
SIMW1015	13	3036.9					
SIMW709D	14	2,881.3					
SIMW709S	14	7.9					
SIMH0017	16	2.7					
SIMH018S	16	4.5					
SIM1363B	17	2.7					
SIMW0708	17	2.4					
SIMW2006	18	2.2					
SIMH022S	19	2.6					
SIMW2007	20	2.3					
SIMW2008	20	2.2					
SIMSVE02	21	34					
SIMLR00B	21	2.8					
SIMW0905	24	2.4					
SIMW0904	25	2.5					
SIMH022N	27	102.4					
SIMW0903	27	89.1					
SIMW0901	29	2.6					
SIMW0902	30	1.9					

SIMI VALLEY SEM

PENETRATION ID	GRID #	INITIAL (PPM)	1st 10 DAY (PPM)	2nd 10 DAY (PPM)	1st 30 DAY (PPM)	3rd 10 DAY (PPM)	2nd 30 DAY (PPM)
SIMW116R	31	1,268.9					
SIMW1565	31	7.8					
SIMW2084	31	2.7					
SIM1570D	32	174.6					
SIM1570S	32	121.8					
SIMW122S	32	2.2					
SIMW2045	33	1,625.5					
SIMW703D	33	2.5					
SIMW703S	33	2.5					
SIMW1785	35	160.3					
SIMW2083	35	2.7					
SIMW1233	36	2.6					
SIMW1790	36	13.6					
SIMW1571	37	814.2					
SIM1792D	38	9.2					
SIM1792S	38	7.9					
SIMW1232	39	2.9					
SIMW707D	39	281.4					
SIMW1791	40	63.5					
SIM2042D	41	36.1					
SIM2042S	41	34.5					
SIMW805D	41	4.2					
SIMW2235	41	2.7					
SIMW1231	42	14.8					
SIMW2041	43	35.8					
SIMW09RD	44	60.9					
SIMW1012	44	4.8					
SIMW1228	44	92.4					
SIMW09RS	44	91.7					
SIMW010R	45	5.9					

SIMI VALLEY SEM

PENETRATION ID	GRID #	INITIAL (PPM)	1st 10 DAY (PPM)	2nd 10 DAY (PPM)	1st 30 DAY (PPM)	3rd 10 DAY (PPM)	2nd 30 DAY (PPM)
SIMW007R	46	9.5					
SIMW1227	47	7.7					
SIMW1234	47	3.8					
SIM1572D	48	6.1					
SIM1572S	48	5.2					
SIMW810D	51	2.6					
SIMW810S	51	2.7					
SIMW0018	52	2.2					
SIMW0812	52	253.6					
SIMW0811	53	3					
SIMLR00D	55	6.3					
SIMLR001	55	51.3					
SIMW0003	57	2.4					
SIMW0813	57	21.4					
SIMW2009	57	612.6					
SIMW1014	58	3.7					
SIMW1107	59	2.6					
SIM1405B	60	16.2					
SIM1406B	60	3.9					
SIMW1806	60	2,134.6					
SIMW2228	61	5.7					
SIMW2229	62	2.9					
SIMW2230	62	4.9					
SIMW1011	63	341.2					
SIM1673S	64	578.2					
SIM1793D	64	Active Equipment					
SIM1793S	64	Active Equipment					
SIMW012R	64	7,122.0					
SIM1406A	65	457.8					
SIM2044D	65	2,856.6					

SIMI VALLEY SEM

PENETRATION ID	GRID #	INITIAL (PPM)	1st 10 DAY (PPM)	2nd 10 DAY (PPM)	1st 30 DAY (PPM)	3rd 10 DAY (PPM)	2nd 30 DAY (PPM)
SIM2044S	65	1,104.8					
SIMW1229	65	44,323.2					
SIM1788D	66	1,321.8					
SIM1788S	66	3,135.1					
SIM1362A	67	5,151.8					
SIM1404A	67	2.6					
SIMW1008	67	7.8					
SIMW1787	67	3.4					
SIM1789D	68	106.8					
SIM1789S	68	258.4					
SIM2054D	68	ACTIVE AREA					
SIM2054S	68	ACTIVE AREA					
SIMW1005	68	ACTIVE AREA					
SIMW1225	68	6.0					
SIM2043D	69	107.6					
SIM2043S	69	213.7					
SIMW1786	69	849.8					
SIM1573D	70	155.0					
SIM1573S	70	11.3					
SIM1783D	70	976.3					
SIM1783S	70	89.7					
SIM2064D	70	152.6					
SIM2064S	70	2,084.8					
SIM1805D	71	81.2					
SIM1805S	71	51.9					
SIMW1569	71	99.6					
SIMW2231	71	4.2					
SIM1359A	72	332.4					
SIMW1779	73	775.0					
SIMW2232	73	34.7					

SIMI VALLEY SEM

PENETRATION ID	GRID #	INITIAL (PPM)	1st 10 DAY (PPM)	2nd 10 DAY (PPM)	1st 30 DAY (PPM)	3rd 10 DAY (PPM)	2nd 30 DAY (PPM)
SIM1568D	74	1,089.9					
SIM1568S	74	4,762.9					
SIM2052D	74	11.4					
SIM2052S	74	443.1					
SIMW2065	74	9,426.6					
SIM1564D	75	8.4					
SIM1564S	75	11.1					
SIMW115S	76	7.1					
SIMW0202	76	1.8					
SIMW1563	78	9.2					
SIMW2220	80	5.9					
SIM1562D	81	24.0					
SIM1562S	81	38.4					
SIMW2219	81	5.2					
SIM2061D	82	381.7					
SIM2061S	82	881.0					
SIM1778D	83	1,967.9					
SIM1778S	83	5,432.9					
SIMW1802	83	3.7					
SIMW822D	83	153.1					
SIMW822S	83	20.3					
SIM2003A	83	29.1					
SIMW1220	84	8.3					
SIMW2053	84	NCHIVE TRASH					
SIM1780D	85	12.1					
SIM1780S	85	9.8					
SIM1401A	86	3.6					
SIMW1104	86	33.0					
SIMW2047	86	7.8					
SIM2002A	86	3.74					

SIMI VALLEY SEM

PENETRATION ID	GRID #	INITIAL (PPM)	1st 10 DAY (PPM)	2nd 10 DAY (PPM)	1st 30 DAY (PPM)	3rd 10 DAY (PPM)	2nd 30 DAY (PPM)
SIMW2234	86	150.7					
SIM1403A	88	2.8					
SIM2081D	88	2.6					
SIM2081S	88	2.5					
SIMW1781	88	2.6					
SIMLR0AR	88	2.6					
SIMHL005	88	1.4					
SIM1782D	89	2.9					
SIM1782S	89	2.5					
SIM1928S	89	2.4					
SIMW2056	89	2.8					
SIMW1356	90	2.8					
SIMLR00A	90	108.0					
SIM1929S	91	2.2					
SIMW1801	91	2.7					
SIMW2227	91	119.1					
SIM1799D	92	228.4					
SIM1799S	92	174.8					
SIMW1222	93	5.3					
SIMW2046	93	2.7					
SIMW2049	93	3.1					
SIMW1798	94	6.3					
SIMW1010	95	2.6					
SIMW2048	95	4.7					
SIMW2233	95	3.3					
SIM1937S	96	2.7					
SIM1403B	97	3.3					
SIM1404B	97	4.3					
SIMW0814	98	6.3					
SIMLR602	99	~~112~~ 15.3					

SIMI VALLEY SEM

PENETRATION ID	GRID #	INITIAL (PPM)	1st 10 DAY (PPM)	2nd 10 DAY (PPM)	1st 30 DAY (PPM)	3rd 10 DAY (PPM)	2nd 30 DAY (PPM)
SIMLR603	99	34.6					
SIMW0816	99	4.4					
SIMW0817	100	2.5					
SIMW0818	101	8.1					
SIMW0819	103	12.6					
SIMW1796	103	113.1					
SIMW2222	103	3.1					
SIMW2055	104	12,425.3					
SIM1938S	105	11.7					
SIMW1794	105	747.6					
SIMW2223	105	20.4					
SIM2001A	106	10.0					
SIMW2224	106	4.7					
SIMW1807	107	2.4					
SIMW1353	108	ACTIVE TRASH					
SIMW1795	108	ACTIVE TRASH					
SIMW2225	108	2.7					
SIM2001B	109	27.5					
SIMW1803	109	3.1					
SIM1777D	110	2.7					
SIM1777S	110	2.8					
SIMW1101	110	71,714.1					
SIMW1776	110	910.1					
SIMW2226	110	5.6					
SIMHL002	110	5.6					
SIMHL003	110	ACTIVE TRASH					
SIMW2057	111	39.7					
SIMW2221	112	25.4					
SIMHL001	112	3.1					
SIMW0048	113	46.3					

SIMI VALLEY SEM

PENETRATION ID	GRID #	INITIAL (PPM)	1st 10 DAY (PPM)	2nd 10 DAY (PPM)	1st 30 DAY (PPM)	3rd 10 DAY (PPM)	2nd 30 DAY (PPM)
SIMW2062	113	7,087.1					
SIMW2218	113	17.8					
SIMW1816	114	2,259.1					
SIMW2058	114	123.0					
SIMW1561	115	5,386.2					
SIMW2060	116	85,222.7					
SIMW2001	117	1,047.2					
SIMW2217	117	Disconnected					
SIMW2216	118	ACTIVE TRASH					
SIMW2099	119	ACTIVE TRASH					
SIMW2059	120	28.6					
SIMW2215	121	ACTIVE AREA					
SIMW2098	122	ACTIVE AREA					
SIMLR31A	123	ACTIVE AREA					
SIMW2076	126	ACTIVE AREA					
SIMW2096	127	ACTIVE AREA					
SIMW2097	127	ACTIVE AREA					
SIMW2077	128	ACTIVE AREA					
SIMW2095	129	ACTIVE AREA					
SIMW2074	130	ACTIVE AREA					
SIMW2078	131	ACTIVE AREA					
SIMW2073	132	ACTIVE AREA					
SIMW2094	132	ACTIVE AREA					
SIMW2079	133	ACTIVE AREA					
SIM2102S	133	ACTIVE AREA					
SIMW2093	134	ACTIVE AREA					
SIMW2080	135	ACTIVE AREA					
SIMW2213	135	195.9					
SIMW2002	136	93,747.5					
SIMW2212	136	9,723.5					

SIMI VALLEY SEM

PENETRATION ID	GRID #	INITIAL (PPM)	1st 10 DAY (PPM)	2nd 10 DAY (PPM)	1st 30 DAY (PPM)	3rd 10 DAY (PPM)	2nd 30 DAY (PPM)
SIMW2088	137	Active Area					
SIMW2004	138	219.2					
SIMW2214	138	2,599.0					
SIMW1809	139	Active Area					
SIMW1815	139	40.3					
SIMW1814	141	90.4					
SIMW2005	141	28.4					
SIMW1817	142	23.7					
SIMW1811	143	Active Area					
SIMW1813	143	24.6					
SIMW2082	143	8.5					
SIMW1812	144	Active Area					
SIMW2070	144	1,137.7					
SIMSVE03	144	2.3					
SIM2004A	145	Active Area					
SIM1936S	145	Active Area					
SIM2199A	145	Active Area					
SIM2115F	146	2.5					
SIM2106A	146	2.1					
SIM2105A	146	1.7					
SIMW2211	148	Active Area					
SIMW2089	149						
SIMW2210	150						
SIMW1810	151						
SIMW1819	151						
SIMW1818	153						
SIMW2090	153						
SIMW2091	155						
SIMW2092	156						
SIM2115E	157						

SIMI VALLEY SEM

PENETRATION ID	GRID #	INITIAL (PPM)	1st 10 DAY (PPM)	2nd 10 DAY (PPM)	1st 30 DAY (PPM)	3rd 10 DAY (PPM)	2nd 30 DAY (PPM)
SIM2107A	157	ACTIVE AREA					
SIM2108A	157	2.3					
SIM2123A	157	ACTIVE AREA					
SIM2115D	158						
SIM2109A	158						
SIM2110A	158						
SIM2125A	158						
SIM2115C	159						
SIM2111A	159						
SIM2112A	159						
SIM2126A	159						
SIM2127A	159						
SIM2115B	161						
SIM2128A	161						
SIM2115A	168						
SIM2113A	168						
SIM2114A	168						
SIM2129A	168						
SIMLR22A	168						
SIMLR22B	168						
SIMLR23A	168						
SIM2100S	185						
SIMLR22C	185	↓					
SIMLR23B	186	5.8					
SIM2116A	188	ACTIVE AREA					
SIM2117A	191						
SIM2330A	191						
SIM2331A	191						
SIM2118A	193						
SIM2232A	193	↓					

SIMI VALLEY SEM

PENETRATION ID	GRID #	INITIAL (PPM)	1st 10 DAY (PPM)	2nd 10 DAY (PPM)	1st 30 DAY (PPM)	3rd 10 DAY (PPM)	2nd 30 DAY (PPM)
SIM2119A	197	Actual MRA					
SIM2233A	197	↓					
SIM2120A	199						
SIM2334A	199						

Waste Management Instantaneous Landfill Surface Emissions Monitoring
Exceedance and Monitoring Logs

Quarter: 2nd 2023

Initial Monitoring Performed By: Michael Olive

Follow-up Monitoring Performed By: Michael Olive ACTAMO WOPEE

Landfill Name: Simi Valley Landfill

Initial Monitoring Event				Corrective Action within 5 Days		1st 10-Day Follow-Up			2nd 10-Day Follow-Up			Comments
Grid #	Flag #	Monitoring Date	Field Reading	Repair Date	Action taken to repair Exceedance	Monitoring Date	No Exceed. <500 ppm	Exceed. >500 ppm	Monitoring Date	No Exceed. <500 ppm	Exceed. >500 ppm	
68	F1	6-5-23	10699.7			6-15-23	24					Grid 68 / Surface
70	F2		1645.9				10					Grid 70 / Surface
68	F3		842.7				53					Grid 68 / Surface
69	F4		1967.9				389					SIM 1778D
87	F5		976.3				200					SIM 1783D
82	F6		881				493					SIM 2061S
73	F7	↓	775				136					SIMW 1779
64	F8	6-6-23	44323.1				4					SIMW 1229
66	F9		5751.7				14					SIM 1362A
83	F10		4762.8				473					SIM 1778S
66	F11		31351					10,000	6-22-23	302		SIM 1788S
65	F12		2851.6				3					SIM 2044D
114	F13		2259.1				86					SIMW 1816
113	F14		1625.5				3					SIMW 2045
65	F15		9321.8					3,000	6-22-23	177		SIM 1788D
73	F16		1089.9				2					SIM 1568D
69	F17		814.2				3					SIMW 1571
63	F18		578.2				155					SIM 1673S
55	F19		15589.5				17					Grid 55 / Surface
55	F20		4163.7				6					Grid 55 / Surface
55	F21		3572.7				7					Grid 55 / Surface
55	F22		1302.4				8					Grid 55 / Surface
113	F23		1110.4				270					Grid 113 / Surface
56	F24		682.4				13					Grid 56 / Surface
56	F25		682.3				9					Grid 56 / Surface
55	F26		8353				10					Grid 55 / Surface
27	F27	↓	613.2			↓	145					Grid 27 / Surface

Waste Management Instantaneous Landfill Surface Emissions Monitoring
Exceedance and Monitoring Logs

Quarter: 2nd 2023

Initial Monitoring Performed By: Michael O'Rye

Follow-up Monitoring Performed By: Michael O'Rye Nabato Lopez

Landfill Name: Simi Valley Landfill

Initial Monitoring Event				Corrective Action within 5 Days		1st 10-Day Follow-Up			2nd 10-Day Follow-Up			Comments
Grid #	Flag #	Monitoring Date	Field Reading	Repair Date	Action taken to repair Exceedance	Monitoring Date	No Exceed. <500 ppm	Exceed. >500 ppm	Monitoring Date	No Exceed. <500 ppm	Exceed. >500 ppm	
30	Y28	6-6-23	591.6			6-16-23	211					Grid 27 / Surface
55	Y29	↓	567.9			↓	9					Grid 55 / Surface
		6-7-23										
140	Y30	↓	3415.1			↓	55					Grid 140 / Surface
145	Y31	↓	2900.3			↓	498					Grid 145 / Surface
140	Y32	↓	2456.5			↓	69					Grid 140 / Surface
166	Y33	↓	816.4			↓	74					Grid 166 / Surface
144	Y34	↓	800.6			↓	33					Grid 144 / Surface
145	Y35	↓	761.6			↓	27					Grid 145 / Surface
144	Y36	↓	642.7			↓	218					Grid 144 / Surface
140	Y37	↓	571.4			↓	126					Grid 140 / Surface
178	Y38	↓	523.9			↓	139					Grid 178 / Surface
116	Y39	↓	65222.7			↓		20,000	6-22-23	404		SIMW2060
136	Y40	↓	9723.5			↓	489					SIMW2212
136	Y41	↓	825.2			↓	313					Grid 136 / Surface
		6-8-23										
147	Y42	↓	566.8			↓	98					Grid 147 / Surface
183	Y43	↓	551.5			↓	489					Grid 183 / Surface
125	Y44	↓	2134.6			✓	291					SIMW1806
31	Y45	6-5-23	1268			6-22-23		1453	6-30-23	401		SIMW1167R

Waste Management Instantaneous Landfill Surface Emissions Monitoring
Exceedance and Monitoring Logs

Quarter: 2nd 2023

Initial Monitoring Performed By: Michael Ortiz

Follow-up Monitoring Performed By: Michael Ortiz

Landfill Name: Simi Valley Landfill

Initial Monitoring Event				Corrective Action within 5 Days		1st 10-Day Follow-Up			1st 30-Day Follow-Up			Comments
Grid #	Flag #	Monitoring Date	Field Reading	Repair Date	Action taken to repair Exceedance	Monitoring Date	No Exceed. <500 ppm	Exceed. >500 ppm	Monitoring Date	No Exceed. <500 ppm	Exceed. >500 ppm	
30	Y28	6-6-23	591.6			6-15-23	211		7-3-23	22		Grid 27 / Surface
55	Y29	↓	567.9				9			11		Grid 55 / Surface
		6-7-23										
140	Y30		3415.1				55			120		Grid 140 / Surface
145	Y31		2900.3				494			202		Grid 145 / Surface
140	Y32		2456.5				69			98		Grid 140 / Surface
166	Y33		816.4				74			70		Grid 166 / Surface
144	Y34		800.6				33			72		Grid 144 / Surface
145	Y35		781.6				27			192		Grid 145 / Surface
144	Y36		642.7				218			230		Grid 144 / Surface
140	Y37		571.4				126			129		Grid 140 / Surface
178	Y38		523.9				139			165		Grid 178 / Surface
116	Y39		852227					20,000		495		SIMW-2060
136	Y40		9723.5				489			404		SIMW-2212
136	Y41	↓	825.2				313			295		Grid 136 / Surface
		6-8-23										
147	Y42		566.8				98			210		Grid 147 / Surface
183	Y43		551.5				489			475		Grid 183 / Surface
125	Y44	↓	2134.6			↓	291			310		SIMW-1806
31	Y45	6-5-23	1,268			6-22-23		1453	↓	432		GW-1160R

7-7-23 290 ppm GW-1160R

Waste Management Instantaneous Landfill Surface Emissions Monitoring
Exceedance and Monitoring Logs

Quarter: 2nd 2023

Initial Monitoring Performed By: Michael Olive

Follow-up Monitoring Performed By: Michael Olive

Landfill Name: Simi Valley Landfill

Initial Monitoring Event				Corrective Action within 5 Days		1st 10-Day Follow-Up			1st 30-Day Follow-Up			Comments
Grid #	Flag #	Monitoring Date	Field Reading	Repair Date	Action taken to repair Exceedance	Monitoring Date	No Exceed. <500 ppm	Exceed. >500 ppm	Monitoring Date	No Exceed. <500 ppm	Exceed. >500 ppm	
68	F1	6-5-23	10699.7			6-15-23	24		7-3-23	45		Grid 68 / Surface
70	F2		1645.9				10			17		Grid 70 / Surface
68	F3		842.7				53			60		Grid 68 / Surface
69	F4		1967.9				389			450		SIM 1778D
87	F5		976.3				200			250		SIM 1783D
82	F6		881				493			205		SIM 2061S
73	F7	↓	775				136			916		SIMW 1779
64	F8	6-6-23	44323.1				4			6		SIMW 1229
66	F9		5751.7				14			8		SIM 1362A
83	F10		4762.8				473			160		SIM 1778S
66	F11		31351					10,000		480		SIM 1788S
65	F12		2851.6				3			4		SIM 2044D
114	F13		2259.1				86			280		SIMW 1816
113	F14		1625.5				3			4		SIMW 2045
65	F15		1321.8					3,000		432		SIM 1788D
73	F16		1089.9				2			4		SIM 1568D
69	F17		814.2				3			5		SIMW 1571
63	F18		578.2				155			200		SIM 1673S
55	F19		5589.5				17			23		Grid 55 / Surface
55	F20		4163.7				6			10		Grid 55 / Surface
55	F21		3572.3				7			15		Grid 55 / Surface
55	F22		1302.4				8			12		Grid 55 / Surface
113	F23		1110.4				270			152		Grid 113 / Surface
56	F24		682.4				13			17		Grid 56 / Surface
56	F25		682.3				4			12		Grid 56 / Surface
55	F26		8351				10			15		Grid 55 / Surface
27	F27	↓	613.2			↓	145		↓	25		Grid 27 / Surface

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: SIMI VALLEY

Quarter / Year:	2ND QTR 2023	2ND QTR 2023	2ND QTR 2023
Technician:	MIKE ORUE	ALBERTO LOPEZ	ALBERTO LOPEZ
Instrument:	INSPECTOR	TVA 1000	TVA 1000
Calibration Standard:	500	500	500

Initial Monitoring Event					First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd <500 ppm	Excd >500 ppm
31	Y45	GW-116R	1268	6-8-23		6-15-23	1453			7-3-23	432	

Yellow Flag (over 500 ppm) Landfill Surface Emissions Monitoring
30 Day Exceedances and Monitoring Log

Site: Simi Valley

Quarter / Year:	2nd QTR 2023	2nd QTR 2023	
Technician:	Mike Orve	Alberto Lopez	
Instrument:	TA Spectra	TVA 1000	
Calibration Standard:	500	500	

Initial Monitoring Event					30 Day Re-Monitoring Event				First Re-Monitoring Event – 10 Days			
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm	Remedial Work	Date Monitored	No Excd. <500 ppm	Excd. >500 ppm
31	Y45	GW116R	1268	6-8-23		7-7-23	290					

Waste Management Instantaneous Landfill Surface Emissions Monitoring
Exceedance and Monitoring Logs

Quarter: 2nd Quarter 2023

Initial Monitoring Performed By: M. ORUE

Follow-up Monitoring Performed By: MIKE ORUE

Landfill Name: Simi Valley Landfill

Initial Monitoring Event				Corrective Action within 5 Days		1st 10-Day Follow-Up			1st 30-Day Follow-Up			Comments
Grid #	Flag #	Monitoring Date	Field Reading	Repair Date	Action taken to repair Exceedance	Monitoring Date	No Exceed. <500 ppm	Exceed. >500 ppm	Monitoring Date	No Exceed. <500 ppm	Exceed. >500 ppm	
73	Y45	6-20-23	1108			6-30-23	403		7-20-23	43		Surface
73	Y46	6-20-23	758.2			↓	19		↓	76		Surface
110	Y47	6-21-23	1089.1			6-30-23	28		7-20-23	27		Surface
110	Y48	↓	1026.4			↓	41		↓	40		Surface
81	Y49		1024.9				147			3		Surface
110	Y50		986.4				39			43		Surface
110	Y51		572.4				32			29		Surface
81	Y52		551.1				261			18		Surface
109	Y53		542.2				35			23		Surface
109	Y54	↓	517.3			↓	24		↓	61		Surface

Waste Management Instantaneous Landfill Surface Emissions Monitoring
Exceedance and Monitoring Logs

Quarter: 2nd QTR 2023

Initial Monitoring Performed By: M. ORTIZ

Follow-up Monitoring Performed By: _____

Landfill Name: Simi Valley

Initial Monitoring Event				Corrective Action within 5 Days		1st 10-Day Follow-Up			2nd 10-Day Follow-Up			Comments
Grid #	Flag #	Monitoring Date	Field Reading	Repair Date	Action taken to repair Exceedance	Monitoring Date	No Exceed. <500 ppm	Exceed. >500 ppm	Monitoring Date	No Exceed. <500 ppm	Exceed. >500 ppm	
196	45	6-26-23	587.5			7-7-23		1602	7-13-23	62.42		Surface
196	46	↓	574.5			↓	134		↓	↓	↓	↓
195	47		541.7				110					
167	48		1165.7				Active					
197	49		1139.5				140					
152	50		523.9				350					
182	51	↓	756			↓		847	7-13-23	383		

Waste Management Instantaneous Landfill Surface Emissions Monitoring
Exceedance and Monitoring Logs

Quarter: 2nd QTR 2023

Initial Monitoring Performed By: M. ORUG

Follow-up Monitoring Performed By: M. ORUG

Landfill Name: Simi Valley

Initial Monitoring Event				Corrective Action within 5 Days		1st 10-Day Follow-Up			1st 30-Day Follow-Up			Comments
Grid #	Flag #	Monitoring Date	Field Reading	Repair Date	Action taken to repair Exceedance	Monitoring Date	No Exceed. <500 ppm	Exceed. >500 ppm	Monitoring Date	No Exceed. <500 ppm	Exceed. >500 ppm	
196	445	6-26-23	587.5			7-7-23		602	7-20-23	15		
196	446	↓	574.5			↓	134		↓	8		
195	447	↓	541.7			↓	110		↓	12		
167	448	↓	1,165.7			↓	Active			Active		
197	449	↓	1,139.5			↓	140		7-20-23	38		
182	450	↓	823.9			↓	350		↓	74		
182	451	↓	756			↓		847	↓	89		

Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Simi Valley Landfill

					Page 2 of 5 Pages
Quarter / Year:	2nd 2023		2nd QTR 2023		
Technician:	Michael O'Rue		Michael O'Rue		
Instrument:	Inspection		TVA1000		
Calibration Standard:	500ppm		500PPM		

	Initial Monitoring Event					Re-Monitoring Event – 10 Days				Comments
	Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	Field Reading <200 ppm	Field Reading >200 ppm	
	55	B23	Surface	285.3	6-6-23		6-15-23	3		
	56	B24	Surface	277.1				3		
	55	B25	Surface	275.1				5		
	27	B26	Surface	270.2				32		
	55	B27	Surface	268.9				3		
*	24	B28	Surface	263.6						
	55	B29	Surface	259.9			6-15-23	10		
*	22	B30	Surface	257.1						
	55	B31	Surface	242.1			6-15-23	30		
*	25	B32	Surface	237.4						
	113	B33	Surface	226.3			6-15-23	194		
	55	B34	Surface	226.2				170		
*	23	B35	Surface	225.4						
	55	B36	Surface	217.7			6-15-23	97		
	56	B37	Surface	215.3				56		
	114	B38	Surface	211				4		
	27	B39	Surface	203.1				23		
	166	B40	Surface	497.2	6-7-23			6		
	144	B41	Surface	494.6				188		
	145	B42	Surface	434.7					7,100	
	144	B43	Surface	434.3				154		
	140	B44	Surface	431.9				162		

* Recheck Pushed Back Due to Active Heavy Equipment

Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Simi Valley Landfill

Quarter / Year:	2nd 2023				2nd 2023				Page 1 of 5 Pages	
Technician:	Michael ORUG				Michael ORUG					
Instrument:	Inspector				TVA 1000					
Calibration Standard:	500ppm				500PPM					
Initial Monitoring Event					Re-Monitoring Event – 10 Days				Comments	
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	Field Reading <200 ppm	Field Reading >200 ppm		
69	B1	Surface	252.7	6-5-23		6-15-23	18			
74	B2	SIM 2052S	443.1				81			
82	B3	SIM 2061D	381.7				129			
65	B4	SIM 1406A	457.8	6-6-23			4			
71	B5	SIM 1359A	332.4				10			
39	B6	SIMW 707D	281.4				24			
64	B7	Surface	220.7				4			
138	B8	SIMW 2004	219.2				28			
56	B9	Surface	485.7				3			
27	B10	Surface	468.6				2			
27	B11	Surface	447.8				106			
27	B12	Surface	378.5				120			
* 25	B13	Surface	352							
113	B14	Surface	347.4			6-15-23	67			
56	B15	Surface	322.7				10			
56	B16	Surface	313.6					450		
55	B17	Surface	303.3				3			
112	B18	Surface	303.2				35			
56	B19	Surface	302.5				3			
56	B20	Surface	296.3				5			
55	B21	Surface	292.9				4			
55	B22	Surface	290.2				3			

★ Recheck Pushed Back Due to Active Heavy Equipment

Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Simi Valley Landfill

Quarter / Year:	2nd 2023	2nd 2023	Page 3 of 5 Pages
Technician:	Michael ORus	Michael ORus	
Instrument:	Inspector	TVA 1000	
Calibration Standard:	500ppm	500PPM	

Initial Monitoring Event					Re-Monitoring Event – 10 Days				Comments
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	Field Reading <200 ppm	Field Reading >200 ppm	
178	B 45	Surface	405.7	6-7-23		6-15-23	109		
141	B 46		385				172		
143	B 47		300.1				71		
139	B 48		298.5				15		
166	B 49		297.9				20		
178	B 50		284.1				150		
152	B 51		277.9				136		
76	B 52		273.5				130		
80	B 53		268.7				39		
143	B 54		263.6				189		
178	B 55		261.7				72		
178	B 56		261.5				180		
164	B 57		256.5				146		
166	B 58		251.5				123		
144	B 59		239.5				193		
143	B 60		231.4				190		
140	B 61		227.9				145		
141	B 62		220				105		
144	B 63		216.6				45		
140	B 64		214.6				167		
178	B 65		213.5				73		
178	B 66		203.2				154		

Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Simi Valley Landfill

Quarter / Year:	2nd 2023	2nd 2023	Page 4 of 5 Pages
Technician:	michael O'Rie	michael O'Rie	
Instrument:	Inspection	TVA1000	
Calibration Standard:	500ppm	500ppm	

Initial Monitoring Event					Re-Monitoring Event – 10 Days				Comments
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	Field Reading <200 ppm	Field Reading >200 ppm	
136	B67	Surface	330.2	6-7-23		6-15-23	156		
136	B68	↓	316.1	↓		↓	121		
136	B69	↓	210.7	↓		↓	173		
183	B70	Surface	439.7	6-8-23		↓	196		
148	B71	↓	434.7	↓		↓	134		
148	B72	↓	416.5	↓		↓	31		
184	B73	↓	401	↓		↓	177		
183	B74	↓	398.7	↓		↓	182		
182	B75	↓	394.9	↓		↓	146		
147	B76	↓	393.5	↓		↓	172		
148	B77	↓	349.8	↓		↓	123		
184	B78	↓	321.9	↓		↓	146		
148	B79	↓	293	↓		↓	199		
183	B80	↓	291.9	↓		↓	102		
147	B81	↓	274.3	↓		↓	95		
148	B82	↓	256.7	↓		↓	180		
90	B83	↓	252.8	↓		↓	10		
190	B84	↓	243.7	↓		↓	189		
190	B85	↓	243.6	↓		↓	194		
148	B86	↓	237.6	↓		↓	198		
148	B87	↓	231.6	↓		↓	140		
182	B88	↓	227	↓		↓	138		

Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Simi Valley Landfill

Quarter / Year:	2nd 2023	2nd QTR 2023	Page 5 of 5 Pages
Technician:	Michael O'Rue	Michael O'Rue	
Instrument:	Inspection	TVA1000	
Calibration Standard:	500ppm	500ppm	

Initial Monitoring Event					Re-Monitoring Event – 10 Days				Comments
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	Field Reading <200 ppm	Field Reading >200 ppm	
182	B89	Surface	220.3	6-8-23		6-15-23		5,000+	
190	B90		216.2				86		
147	B91		210.9				193		
183	B92		209.1				161		
147	B93		209				194		
62	B94		208.7				52		
184	B95		208.4				38		
190	B96		203				92		
148	B97		202.1				122		

Blue Flag (200-499 ppm) Landfill Surface Emissions Monitoring
10 Day Exceedances and Monitoring Log

Site: Simi Valley

Quarter / Year:	2nd QTR 2023		Page 1 of 1 Pages
Technician:	M. CRUZ		
Instrument:	Inspectra		
Calibration Standard:	500ppm		

Initial Monitoring Event					Re-Monitoring Event – 10 Days				Comments
Grid Number	Flag Number	Location	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	Field Reading <200 ppm	Field Reading >200 ppm	
196	B98	Surface	423.4	6-26-23		7-7-23	50		
196	B99	↓	448.7	↓		↓	36		
167	B100		220.3				Active		
182	B101		491.9				139		
148	B102	↓	432.5	↓		↓	146		

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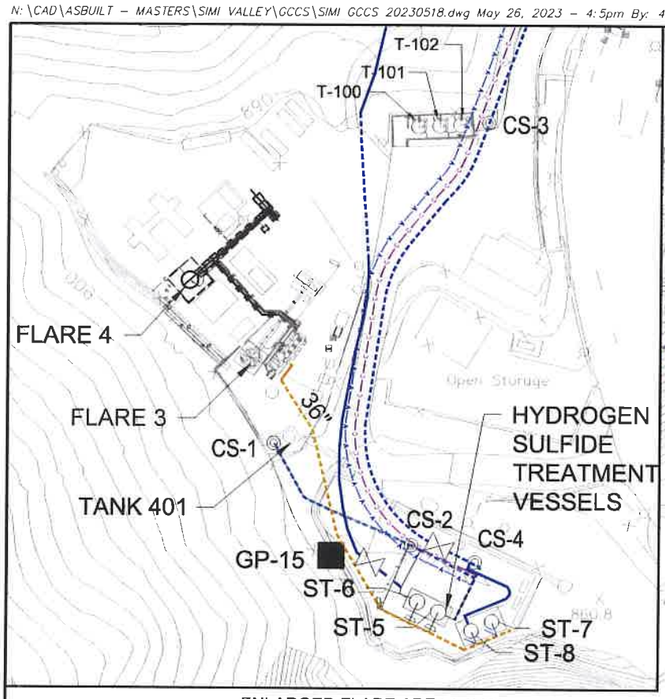


ENLARGED FLARE AREA LAYOUT
SCALE: 1"=60'

2nd Qtr 2023

ISM MAP
6-5-23
6-6-23
6-7-23
6-8-23
6-26-23

200 100 0 200 400 600
SCALE: 1"=200'

SYMBOL LEGEND

- ACTIVE VERTICAL WELL
- VERTICAL WELL WITH TEMPERATURE VARIANCE
- HORIZONTAL COLLECTOR WELLHEAD
- HORIZ WELL WITH TEMPERATURE VARIANCE
- CONDENSATE SUMP
- REMOTE WELLHEAD = MOUNT GRUNS
- LEACHATE RISER = HEAVY EQUIP
- MONITORING PROBE
- VALVE = ACTIVE AREA
- SVE WELL
- SEM COVER PENETRATION = SCOPE SHEET
- BASE GRAVEL PADS
- HORIZONTAL GRAVEL PADS
- DECOMMISSIONED VERTICAL WELL
- DECOMMISSIONED HORIZONTAL WELL
- DECOMMISSIONED MONITORING PROBE
- 36" HEADER
- 24" HEADER
- 18" HEADER
- 12" HEADER
- 10" HEADER
- 8" LATERAL
- 6" LATERAL
- 4" LATERAL
- HORIZONTAL COLLECTOR - SOLID
- HORIZONTAL COLLECTOR - PERFORATED
- BELOW GRADE CONDENSATE FORCEMAIN
- ABOVE GRADE DEWATERING FORCEMAIN
- COMPRESSED AIR LINE
- REMOTE MANIFOLD
- AIR RELEASE VALVE
- CONDENSATE FORCEMAION ISOLATION VALVE
- CONDENSATE FORCEMAIN CLEANOUT
- WELL WITH PUMP AND BUBBLER
- WELL WITH BUBBLER
- PHASE BOUNDARY
- LCRS PIPE

NOTES:

1. AERIAL TOPOGRAPHY PROVIDED BY MILLER CREEK AERIAL MAPPING, DATED 2-19-23.
2. EXISTING GCCS AS-BUILTS DATED 5-18-2023.
3. BOUNDARY DATA IS PROVIDED BY WM AND NAMED "ACAD-JTD BOUNDARIES WITH 3-5 SUBPHASES".

DRAWING NO. 3 of 3

SCALE: AS SHOWN

DATE: 05-18-2023

SCS ENGINEERS
ENVIRONMENTAL CONSULTANTS
3900 KILROY AIRPORT WAY, SUITE 100
LONG BEACH, CA 90806
PH. (562) 426-9544 FAX. (562) 427-0805

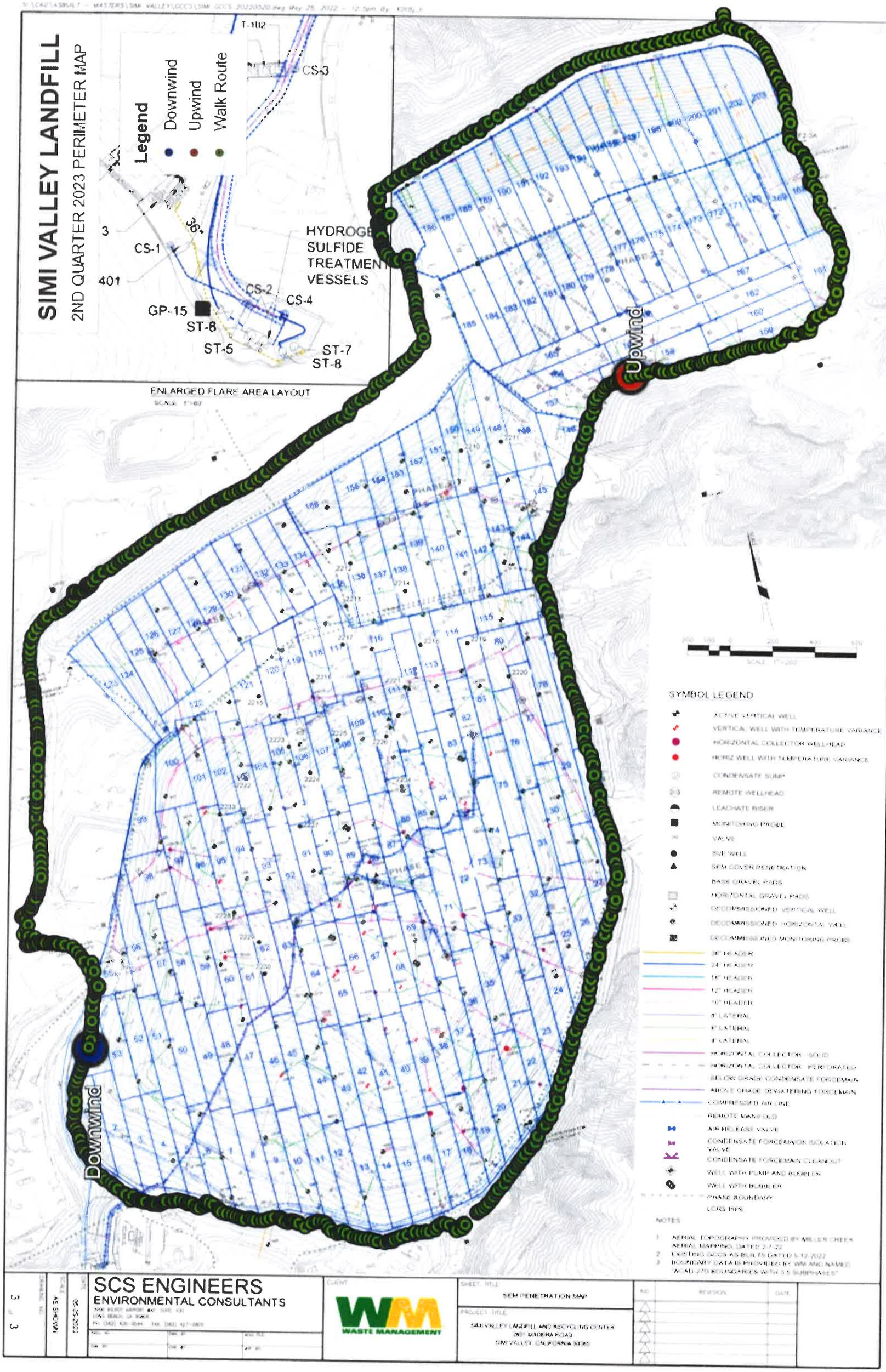
PROJ. NO.	DWN. BY: RR	ACAD FILE:
DSN. BY: WM	CHK. BY: JH	APP. BY: JH

CLIENT: WASTE MANAGEMENT

SHEET TITLE: SEM PENETRATION MAP

PROJECT TITLE:
SIMI VALLEY LANDFILL AND RECYCLING CENTER
2801 MADERA ROAD
SIMI VALLEY, CALIFORNIA 93065

NO.	REVISION	DATE


SIMI VALLEY LANDFILL
2ND QUARTER 2023 PERIMETER MAP
Legend
Downwind
Upwind
Walk Route
T-102
CS-3
CS-1
CS-2
CS-4
GP-15
ST-6
ST-5
ST-7
ST-8
HYDROGEN SULFIDE TREATMENT VESSELS
ENLARGED FLARE AREA LAYOUT
Upwind
Downwind
SYMBOL LEGEND
NOTES
SCS ENGINEERS
ENVIRONMENTAL CONSULTANTS
WASTE MANAGEMENT
SEM PENETRATION MAP

Attachment B

Integrated Surface Emission Monitoring Event Records

SIMI VALLEY LANDFILL
INTEGRATED LANDFILL SURFACE MONITORING

Personnel: G. Lopez
T. Carson
E. De Lira

Cal. Gas Exp. Date: 3/25

Date: 6-8-23 Instrument Used: Inspectra Grid Spacing: 25'

Temperature: 77° Precip: 0 Upwind BG: ______ Downwind BG: ______

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM		WIND INFORMATION			REMARKS
						AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
11	GL	1010	1035	3.53		5	10	10	
12	GL	1037	1102	3.98		5	10	11	
13	GL	1104	1129	6.4		5	9	10	
14	GL	1130	1155	5.1		4	9	10	
6	TC	0935	0944	2.24		3	6	10	Vegetation
7	TC	0949	0955	2.71		3	6	10	
8	TC	0957	1005	2.77		4	6	11	
9	TC	1012	1024	2.76		4	6	11	
10	TC	1026	1038	3.66		4	7	11	
46	TC	1102	1118	5.13		4	7	11	
1	ED	0902	0922	2.02		4	7	12	
2	ED	0924	0950	2.13		4	6	10	
3	ED	0953	1025	1.24		4	6	11	
4	ED	1030	1055	1.48		4	9	11	
5	ED	1116	1142	2.50		5	10	10	

Attach Calibration Sheet
Attach site map showing grid ID

Page 1 of 1

SIMI VALLEY LANDFILL
INTEGRATED LANDFILL SURFACE MONITORING

Personnel: A. Lopez, D. Andersen, E. De La Pena, T. Carsen

Cal. Gas Exp. Date: 5/25

Date: 6-19-23 Instrument Used: Inspectra Grid Spacing: 25 FT

Temperature: 78° Precip: 0 Upwind BG: _____ Downwind BG: _____

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM		WIND INFORMATION			REMARKS
						AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
32	AL	0734	0749	5.00		6	9	6	Vegetation/Heavy Equip
33	AL	0752	0807	2.99		4	7	6	Heavy Equipment
34	AL	0808	0823	3.04		6	9	7	Heavy Equipment
22	AL	0826	0846	4.22		5	8	7	Steep Slope/Heavy equip
23	AL	0847	0907	4.26		5	7	7	Steep Slope/Heavy Equip
24	AL	0909	0929	3.99		6	8	8	Heavy Equipment
98	AL	1014	1039	4.79		5	8	8	
99	AL	1041	1056	3.98		4	6	8	Dirt Stockpile
100	AL	1058	1113	3.87		5	8	8	Dirt Stockpile
97	AL	1114	1139	4.33		5	9	8	
75	TC	0742	0807	19.05		4	7	6	
76	TC	0807	0832	5.76		5	8	7	
31	TC	0832	0847	2.25		5	8	7	High vegetation
30	TC	0852	0917	3.35		5	7	8	
77	TC	0917	0937	4.03		6	8	8	
78	TC	0937	1002	13.17		7	10	8	
15	TC	1021	1046	3.41		5	9	8	
16	TC	1046	1111	2.92		5	8	8	
17	TC	1111	1136	2.27		5	9	8	
54	DA	0750	0815	3.10		5	7	6	
53	DA	0815	0840	2.74		5	8	6	

Attach Calibration Sheet
Attach site map showing grid ID

SIMI VALLEY LANDFILL
INTEGRATED LANDFILL SURFACE MONITORING

Personnel: A. Lopez, D. Anderson, E. DeLira, T. Carson

Cal. Gas Exp. Date: 5/25

Date: 6-19-23 Instrument Used: Inspectra Grid Spacing: 75ft

Temperature: 78° Precip: 0 Upwind BG: _____ Downwind BG: _____

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM		WIND INFORMATION			REMARKS
						AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
52	DA	0840	0905	2.86		5	6	7	
51	DA	0905	0930	3.14		6	8	8	
50	DA	0930	0955	3.99		6	9	7	
49	DA	0955	1020	3.36		5	9	8	
18	DA	1049	1114	2.02		5	8	6	
19	DA	1115	1140	2.97		5	9	8	

Attach Calibration Sheet
Attach site map showing grid ID

SIMI VALLEY LANDFILL
INTEGRATED LANDFILL SURFACE MONITORING

Personnel: M. Olvera, A. Lopez, J. Medina, T. Carson

Cal. Gas Exp. Date: 5/25

Date: 6-20-23 Instrument Used: INSpectra Grid Spacing: 25 FT

Temperature: 76° Precip: 0 Upwind BG: _____ Downwind BG: _____

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM		WIND INFORMATION			REMARKS
						AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
15	MO	0802	0827	5.39		4	6	7	
16	MO	0829	0854	2.94		5	7	8	
17	MO	0856	0921	2.09		4	6	8	
179	MO	1102	1127	24.11		4	6	7	
180	MO	1129	1150	14.62		3	7	8	DIRT Stock Pile
181	MO	1151	1213	12.58		4	7	8	DIRT Stock Pile
55	JM	0754	0819	5.77		4	6	6	
56	JM	0825	0846	2.76		3	6	8	
57	JM	0850	0915	3.04		4	6	8	
58	JM	0920	0945	3.00		3	5	6	
59	JM	0950	1010	4.56		5	7	8	
60	JM	1015	1040	4.49		5	7	8	
191	JM	1107	1127	15.35		4	6	7	
190	JM	1123	1138	15.46		5	7	8	Liner
189	JM	1140	1155	12.51		3	7	8	Liner
188	JM	1156	1210	4.84		4	7	8	Liner
48	TC	0749	0811	9.63		5	7	5	
47	TC	0812	0837	3.47		4	6	7	
46	TC	0837	0902	6.60		3	5	7	
45	TC	0902	0927	2.93		4	5	10	
44	TC	0927	0947	6.09		3	5	8	
43	TC	0947	1012	4.68		5	7	8	
174	TC	1105	1120	12.86		3	7	8	Active / Blocked
173	TC	1120	1135	46.80		5	7	8	Mounds
172	TC	1135	1150	15.64		3	7	8	Mounds
171	TC	1150	1205	14.31		4	7	8	Mounds
42	AL	0754	0819	9.38		4	6	6	Heavy Equipment
41	AL	0820	0835	4.84		4	6	7	Heavy Equipment
40	AL	0836	0851	2.66		5	7	8	Heavy Equipment
39	AL	0852	0907	2.46		3	5	7	Heavy Equipment

Attach Calibration Sheet
Attach site map showing grid ID

SIMI VALLEY LANDFILL
INTEGRATED LANDFILL SURFACE MONITORING

Personnel: M. Morue, A. Lopez, J. Medina, E. De Lira, T. Larsen

Cal. Gas Exp. Date: 5/25

Date: 6-20-23 Instrument Used: Inspectra Grid Spacing: 25FT

Temperature: 76° Precip: 0 Upwind BG: _____ Downwind BG: _____

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM		WIND INFORMATION			REMARKS
						AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
38	AL	0910	0925	2.22		4	5	10	Heavy Equipment
37	AL	0926	0941	2.20		3	5	6	Heavy Equipment
36	AL	0941	0956	2.13		4	6	6	Heavy Equipment
35	AL	0957	1014	2.32		5	7	6	Heavy Equipment
198	AL	1104	1119	24.84		5	7	6	Liner / mounds
199	AL	1120	1135	21.27		5	7	6	Liner / mounds
200	AL	1135	1145	9.75		3	7	6	Liner / mounds
201	AL	1145	1155	17.68		3	7	6	Liner / mounds
6	ED	0750	0815	5.76		5	7	5	
7	ED	0815	0840	2.36		4	6	7	
8	ED	0845	0910	1.85		4	6	6	
9	ED	0910	0935	1.33		5	7	6	
10	ED	0935	1000	2.66		4	6	6	
192	ED	1100	1115	9.47		5	7	6	Liner / mounds
193	ED	1115	1130	14.85		4	6	7	Liner / mounds
194	ED	1130	1145	10.49		3	7	6	Liner / mounds
195	ED	1145	1200	10.78		3	7	6	Plastic Pipes
196	ED	1200	1215	20.34		4	7	6	TARP
197	ED	1215	1230			4	4	7	TARP

Attach Calibration Sheet
Attach site map showing grid ID

SIMI VALLEY LANDFILL
INTEGRATED LANDFILL SURFACE MONITORING

Personnel: M. ORUE, A. LOPEZ, I. (CARSON), J. MEDINA, E. DE LA TORRE

Cal. Gas Exp. Date: 5/25

Date: 6-21-23 Instrument Used: INSPECTRA Grid Spacing: 25FT

Temperature: 78° Precip: 0 Upwind BG: _____ Downwind BG: _____

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM		WIND INFORMATION			REMARKS
						AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
20	MO	0733	0758	4.46		2	4	2	
21	MO	0754	0826	4.05		3	4	2	
61	MO	0843	0908	5.41		1	3	7	
62	MO	0909	0934	10.16		2	4	6	
63	MO	1041	1106	13.25		4	6	9	
94	MO	1109	1130	3.86		5	7	10	
28	TC	0725	0740	4.73		3	4	2	
79	TC	0740	0802	6.52		2	3	3	
78	TC	0803	0828	18.2		3	4	2	
29	TC	0828	0853	8.31		2	2	4	
27	TC	0853	0908	5.54		1	3	7	
30	TC	0910	0935	5.58		2	4	6	
157	TC	1020	1035	17.71		5	7	7	
164	TC	1035	1055	11.79		4	7	6	
165	TC	1055	1110	3.64		4	6	9	
183	TC	1111	1126	6.52		5	7	10	
104	ED	0730	0750	23.95		3	5	2	ACTIVE DUMPING
103	ED	0750	0805	9.04		2	3	3	HEAVY EQUIPMENT
102	ED	0805	0830	5.65		3	4	2	DIRT MOUND
101	ED	0830	0850	9.30		2	2	4	DIRT MOUND
96	ED	0850	0915	2.92		3	4	6	
95	ED	0915	0940	4.11		2	4	6	
150	ED	1030	1050	10.97		4	7	6	
149	ED	1050	1105	10.26		4	6	9	HUGE DIRT FISSURES
148	ED	1105	1120	15.18		5	7	10	
147	ED	1120	1140	26.29		5	10	10	HEAVY EQUIPMENT
81	AL	0729	0754	35.83		2	4	2	
80	AL	0755	0820	20.45		3	4	2	
77	AL	0820	0845	13.47		2	2	4	
115	AL	0848	0913	10.24		3	4	6	

Attach Calibration Sheet
Attach site map showing grid ID

SIMI VALLEY LANDFILL
INTEGRATED LANDFILL SURFACE MONITORING

Personnel: M. ORUG, A. Lopez, T. Carson, J. Medina, E. DeLiRa

Cal. Gas Exp. Date: 5/25

Date: 6-21-23 Instrument Used: Inspectra Grid Spacing: 25FT

Temperature: 78° Precip: 0 Upwind BG: _____ Downwind BG: _____

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM		WIND INFORMATION			REMARKS
						AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
143	AL	0915	0940	23.62		2	4	8	
142	AL	0941	1006	16.65		4	6	7	
158	AL	1038	1103	11.48		4	6	9	
159	AL	1103	1128	7.45		5	7	10	
160	AL	1129	1149	15.62		5	10	10	
111	JM	0723	0738	20.53		3	4	2	TRASH Pile
110	JM	0740	0757	74.84		2	4	2	Active Dumping
109	JM	0800	0815	45.07		3	4	2	Active Dumping
108	JM	0816	0831	16.88		3	4	2	Active Dumping
107	JM	0832	0847	7.05		2	2	4	Active Dumping
106	JM	0850	0900	6.55		3	4	8	Active Dumping
105	JM	0905	0920	8.61		2	4	7	Active Dumping
121	JM	0925	0940	6.12		2	4	8	Active Dumping
155	JM	1027	1042	2.96		5	7	8	STEEP Slopes/Dumping
154	JM	1044	1059	12.25		4	6	9	STEEP Slopes/Dumping
153	JM	1100	1115	15.39		5	7	10	STEEP Slopes/Dumping
152	JM	1116	1132	19.75		5	7	10	STEEP Slopes/Dumping
151	JM	1135	1150	29.19		5	10	10	

Attach Calibration Sheet
Attach site map showing grid ID

SIMI VALLEY LANDFILL
INTEGRATED LANDFILL SURFACE MONITORING

Personnel: E. De Lira
A. Lopez
D. Andersen

Cal. Gas Exp. Date: 5/25

Date: 6-26-23 Instrument Used: Inspectra Grid Spacing: 25ft

Temperature: 78° Precip: 0 Upwind BG: _____ Downwind BG: _____

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM		WIND INFORMATION			REMARKS
						AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
182	ED	0720	0745	90.0		4	5	12	
184	ED	0750	0815	19.89		5	6	12	
185	ED	0815	0840	17.3		4	5	12	
162	AL	0724	0749	19.5		4	5	12	
167	AL	0750	0811	16.3		5	6	12	WASTE
170	AL	0815	0840	15.4		4	5	12	
169	AL	0841	0906	5.9		5	6	12	
161	AL	0910	0935	5.7		4	5	12	Liner
197	AL	1135	1150	35.5		5	10	12	Liner
186	DA	0725	0745	13.0		4	5	12	
187	DA	0756	0824	13.2		5	6	12	
144	DA	0910	0940	9.5		4	5	12	

Attach Calibration Sheet
Attach site map showing grid ID

Page 1 of 1

SIMI VALLEY LANDFILL
INTEGRATED LANDFILL SURFACE MONITORING

Personnel: M. Olive _____ _____ _____
A. Lopez _____ _____ _____
_____ _____ Cal. Gas Exp. Date: 5-4-24

Date: 6-30-23 Instrument Used: TVA1000 Grid Spacing: 25ft

Temperature: 75° Precip: 0 Upwind BG: 2.7 Downwind BG: 3.2

(Recheck Monitoring)

GRID ID	STAFF INITIALS	START TIME	STOP TIME	TOC PPM	ROTO-MTR, CC/MIN	WIND INFORMATION			REMARKS
						AVG SPEED	MAX. SPEED	DIRECTION 16 POINT	
81	MO	0843	0908	23.98					
173	MO	0914	0939	21.09					
109	AL	0900	0923	21,59					
110	AL	0926	0951	9,94					
147	MO	0945	1010	12.14					

Attach Calibration Sheet
Attach site map showing grid ID

Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

Site: SIMI VALLEY

Quarter / Year:	2nd 2023	2nd QTR 2023	
Technician:	M. ORUE	MIKE ORUE	
Instrument:	INSPECTRA	TVA1000	
Calibration Standard:	25 PPM	25PPM	

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm
173	46.80	6-20-23		6-30-23	21.09					
110	74.84	6-21-23		↓	21.59					
81	35.83	6-21-23			23.98					
109	45.07	6-21-23			9.94					
147	26.29	6-21-23			12.14					

Integrated Surface Sampling
10 Day Exceedances and Monitoring Log

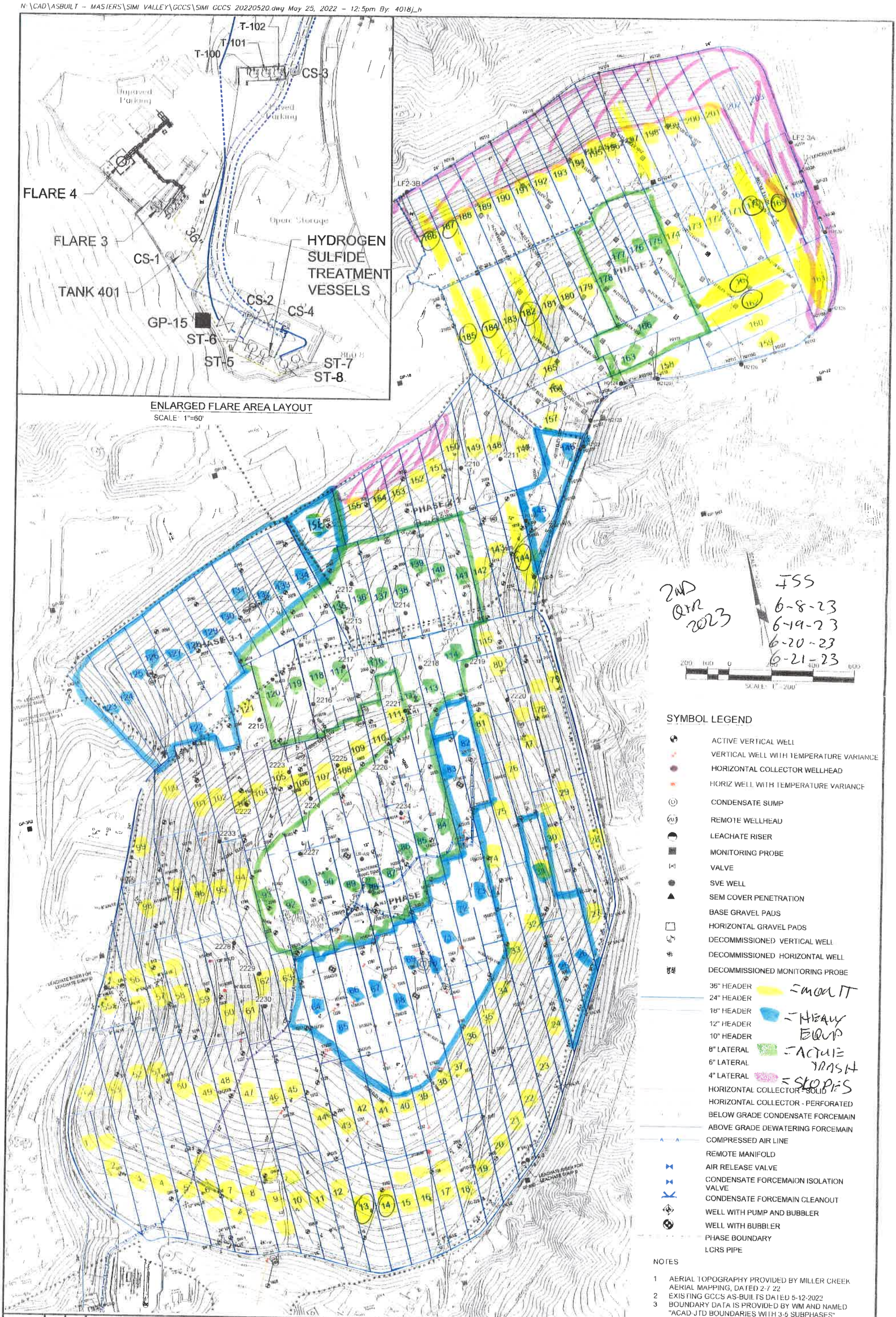
Site: SIMI VALLEY

Quarter / Year:	2nd 2023	2nd 2023	
Technician:	M. ORTIZ	ALBERTO LOPEZ	
Instrument:	INSPECTAIR	TLA 1000	
Calibration Standard:	25 PPM	25 PPM	

Initial Monitoring Event			First Re-Monitoring Event – 10 Days				Second Re-Monitoring Event – 10 Days			
Grid Number	Field Reading (ppm)	Date Monitored	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm	Remedial Work	Date Monitored	No Excd. <25 ppm	Excd. >25 ppm
197	35.58	6-26-23		7-6-23	12.1					
182	80.03	"		"	22.3					

N:\CAD\ASBUILT - MASTERS\SIMI VALLEY\GCCS\SIMI GCCS 20220520.dwg May 25, 2022 - 12:5pm By: 4018j_h

ENLARGED FLARE AREA LAYOUT
SCALE: 1"=60'



SYMBOL LEGEND

- ACTIVE VERTICAL WELL
- VERTICAL WELL WITH TEMPERATURE VARIANCE
- HORIZONTAL COLLECTOR WELLHEAD
- HORIZ WELL WITH TEMPERATURE VARIANCE
- CONDENSATE SUMP
- REMOTE WELLHEAD
- LEACHATE RISER
- MONITORING PROBE
- VALVE
- SVE WELL
- SEM COVER PENETRATION
- BASE GRAVEL PADS
- HORIZONTAL GRAVEL PADS
- DECOMMISSIONED VERTICAL WELL
- DECOMMISSIONED HORIZONTAL WELL
- DECOMMISSIONED MONITORING PROBE
- 36" HEADER
- 24" HEADER
- 18" HEADER
- 12" HEADER
- 10" HEADER
- 8" LATERAL
- 6" LATERAL
- 4" LATERAL
- HORIZONTAL COLLECTOR - SOLID
- HORIZONTAL COLLECTOR - PERFORATED
- BELOW GRADE CONDENSATE FORCEMAIN
- ABOVE GRADE DEWATERING FORCEMAIN
- COMPRESSED AIR LINE
- REMOTE MANIFOLD
- AIR RELEASE VALVE
- CONDENSATE FORCEMAION ISOLATION VALVE
- CONDENSATE FORCEMAIN CLEANOUT
- WELL WITH PUMP AND BUBBLER
- WELL WITH BUBBLER
- PHASE BOUNDARY
- LCRS PIPE

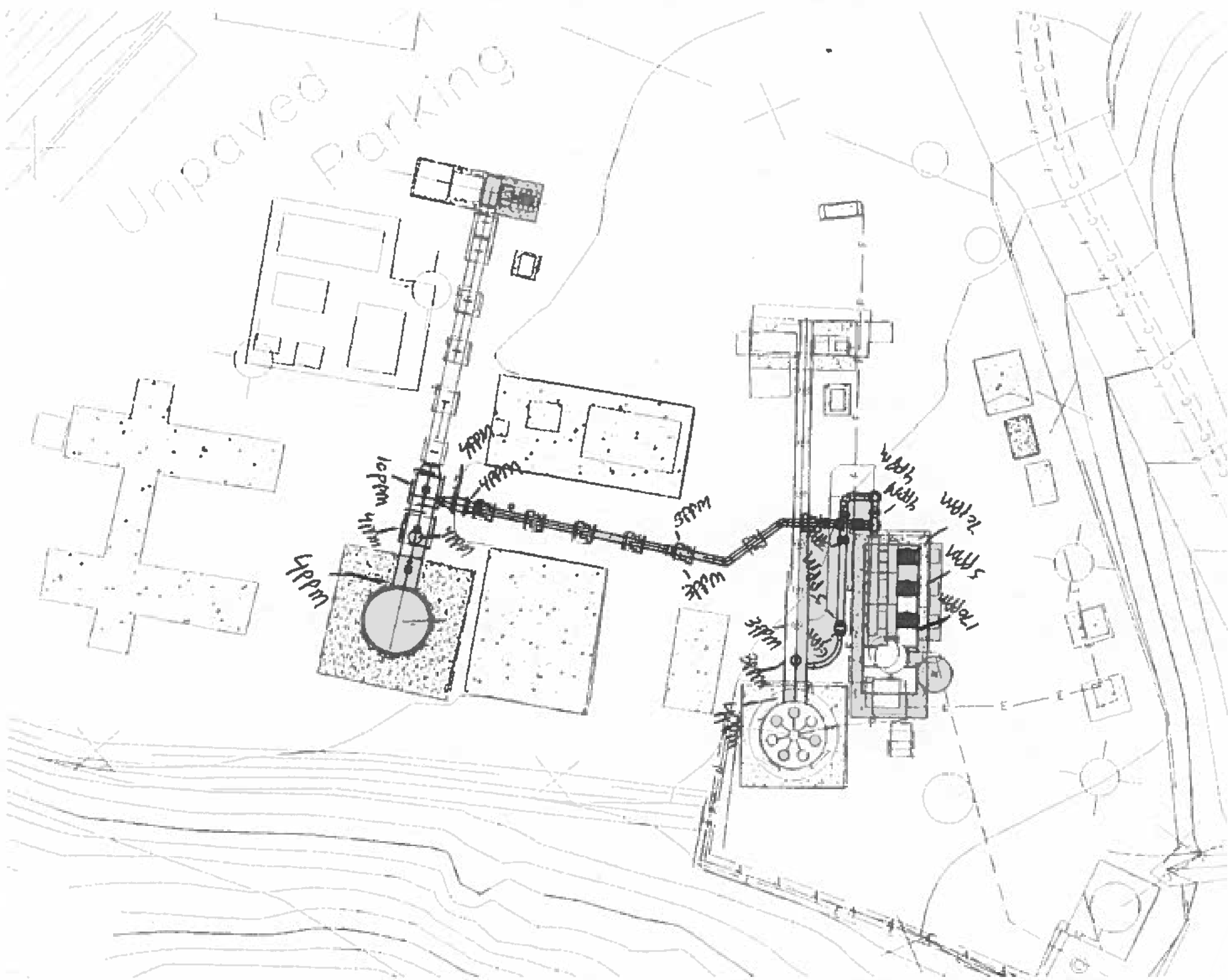
NOTES

1. AERIAL TOPOGRAPHY PROVIDED BY MILLER CREEK AERIAL MAPPING, DATED 2-7-22
2. EXISTING GCCS AS-BUILTS DATED 5-12-2022
3. BOUNDARY DATA IS PROVIDED BY WM AND NAMED "ACAD JTD BOUNDARIES WITH 3-5 SUBPHASES"

DRAWING NO: 3 of 3	SCALE: AS SHOWN	DATE: 05-25-2022	SCS ENGINEERS ENVIRONMENTAL CONSULTANTS 3900 KILROY AIRPORT WAY, SUITE 100 LONG BEACH, CA 90806 PH. (562) 426-9544 FAX. (562) 427-0805	CLIENT: WASTE MANAGEMENT	SHEET TITLE: SEM PENETRATION MAP PROJECT TITLE: SIMI VALLEY LANDFILL AND RECYCLING CENTER 2801 MADERA ROAD SIMI VALLEY, CALIFORNIA 93065	NO / REVISION / DATE

Attachment C

Component Leak Monitoring Event Records



DATE: 6-26-23

TIME: 1000

TECHNICIAN: Michael Orkk

NOTES:
1. MONITOR ALL FLANGES AND ABOVE GROUND CONNECTIONS. WRITE THE HIGHEST READING IN THE BOX LABELED PPM. DRAW A CIRCLE AROUND THE LOCATIONS OF THE LEAK.

TETRA TECH

SIMI VALLEY LANDFILL
AND RECYCLING CENTER
SIMI VALLEY, CALIFORNIA
SEM RESULTS - FLARE STATION

FIGURE NO.
1

PROJECT NO.
200026

Attachment D

Weather Station Data

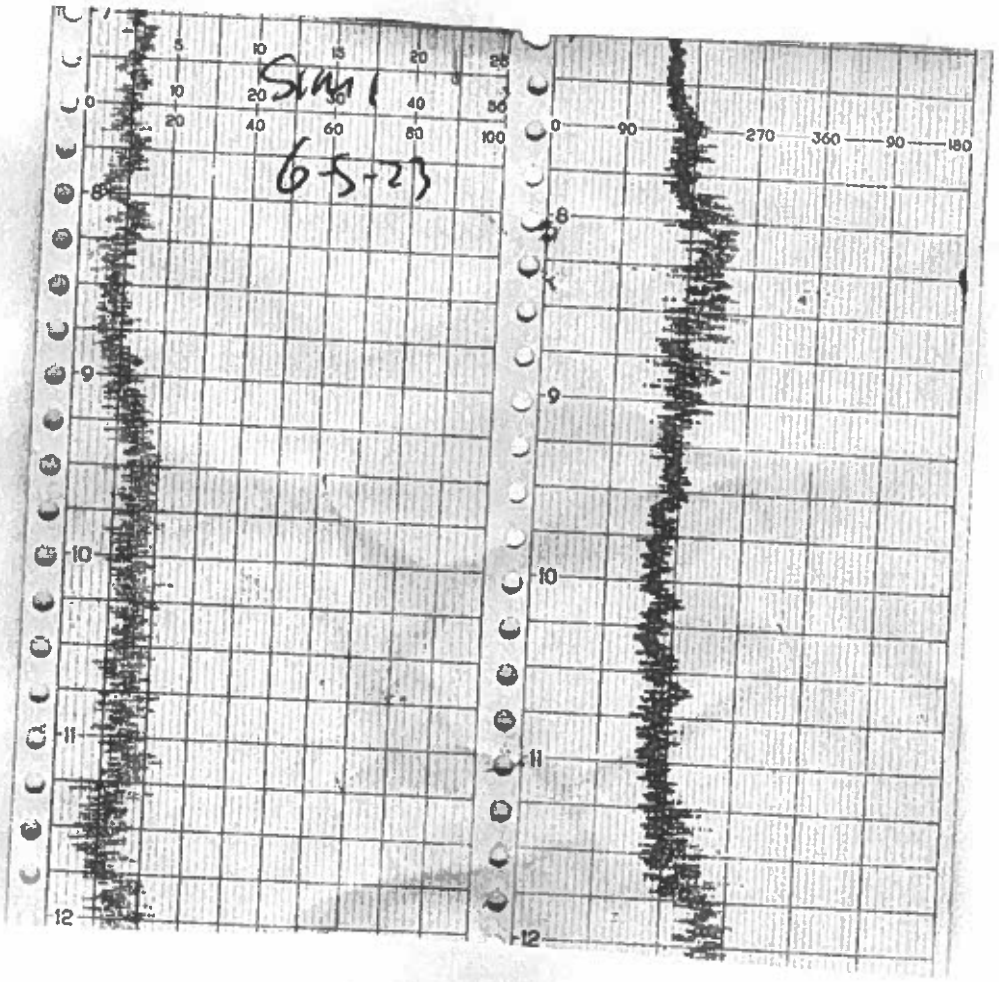
RES
Environmental Inc.

16-POINT WIND DIRECTION INDEX

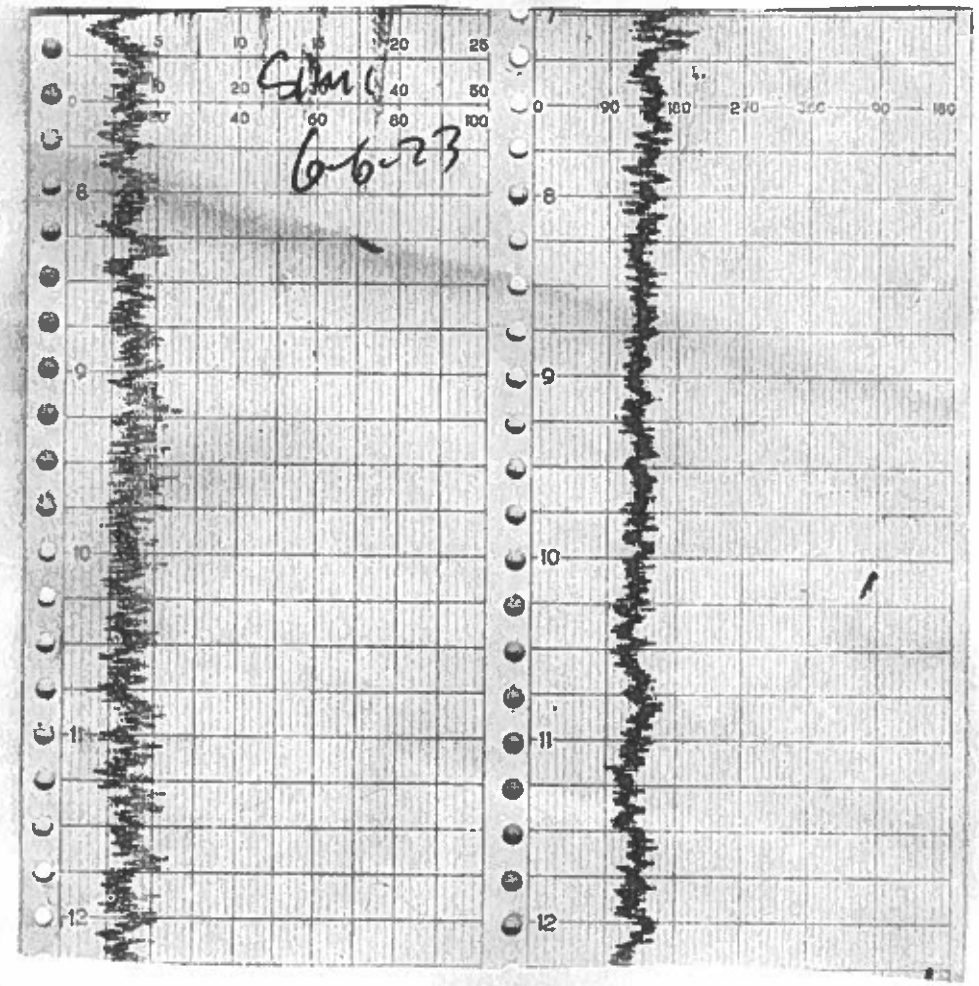
NO	DIRECTION	DEGREES		
		FROM	CENTER	TO
16	NORTH (N)	348.8	360.0	011.3
1	NORTH-NORTHEAST (NNE)	011.3	022.5	033.8
2	NORTHEAST (NE)	033.8	045.0	056.3
3	EAST-NORTHEAST (ENE)	056.3	067.5	078.8
4	EAST (E)	078.8	090.0	101.3
5	EAST-SOUTHEAST (ESE)	101.3	112.5	123.8
6	SOUTHEAST (SE)	123.8	135.0	146.3
7	SOUTH-SOUTHEAST (SSE)	146.3	157.5	168.8
8	SOUTH (S)	168.8	180.0	191.3
9	SOUTH-SOUTHWEST (SSW)	191.3	202.5	213.8
10	SOUTHWEST (SW)	213.8	225.0	236.3
11	WEST-SOUTHWEST (WSW)	236.3	247.5	258.8
12	WEST (W)	258.8	270.0	281.3
13	WEST-NORTHWEST (WNW)	281.3	292.5	303.8
14	NORTHWEST (NW)	303.8	315.0	326.3
15	NORTH-NORTHWEST (NNW)	326.3	337.5	348.8

865 Via Lata • Colton, California 92324 • (909) 422-1001 Fax (909) 422-0707

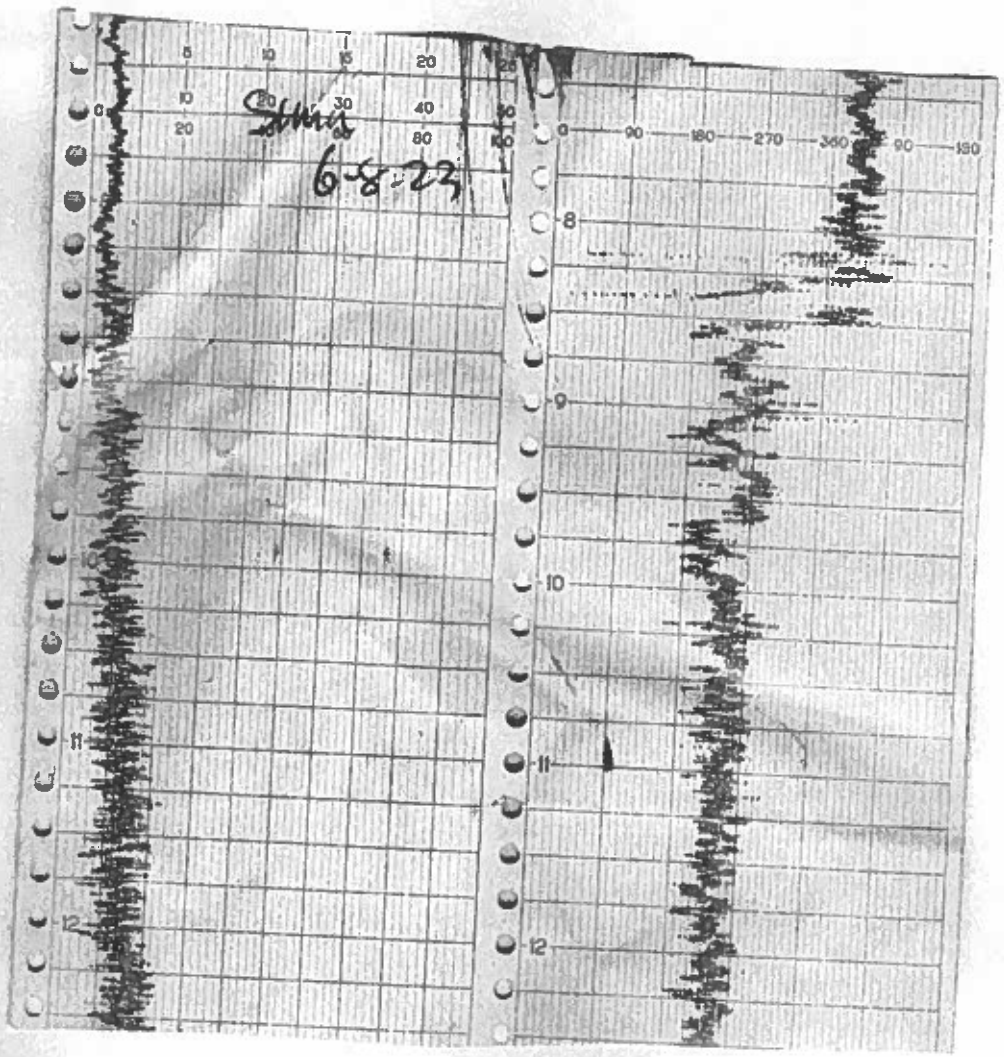
WIND SPEED & DIRECTION CHART ROLL



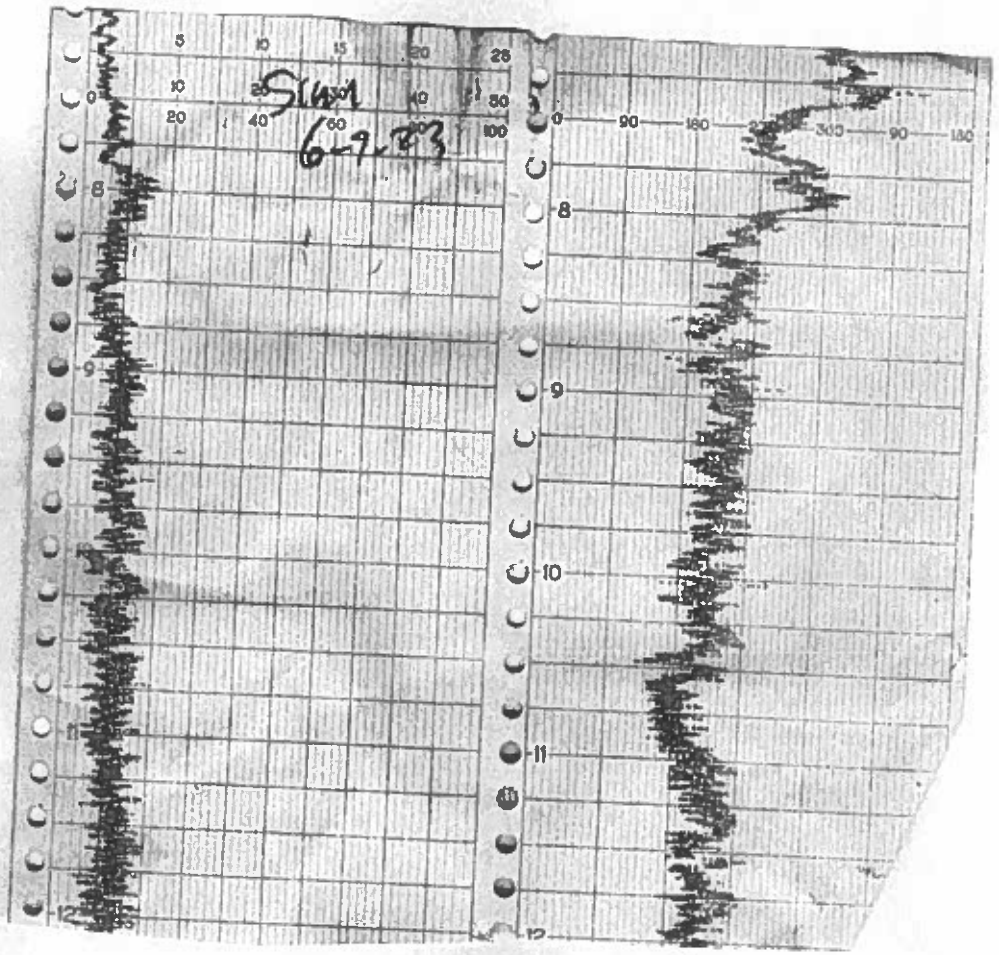
WIND SPEED & DIRECTION CHART ROLL



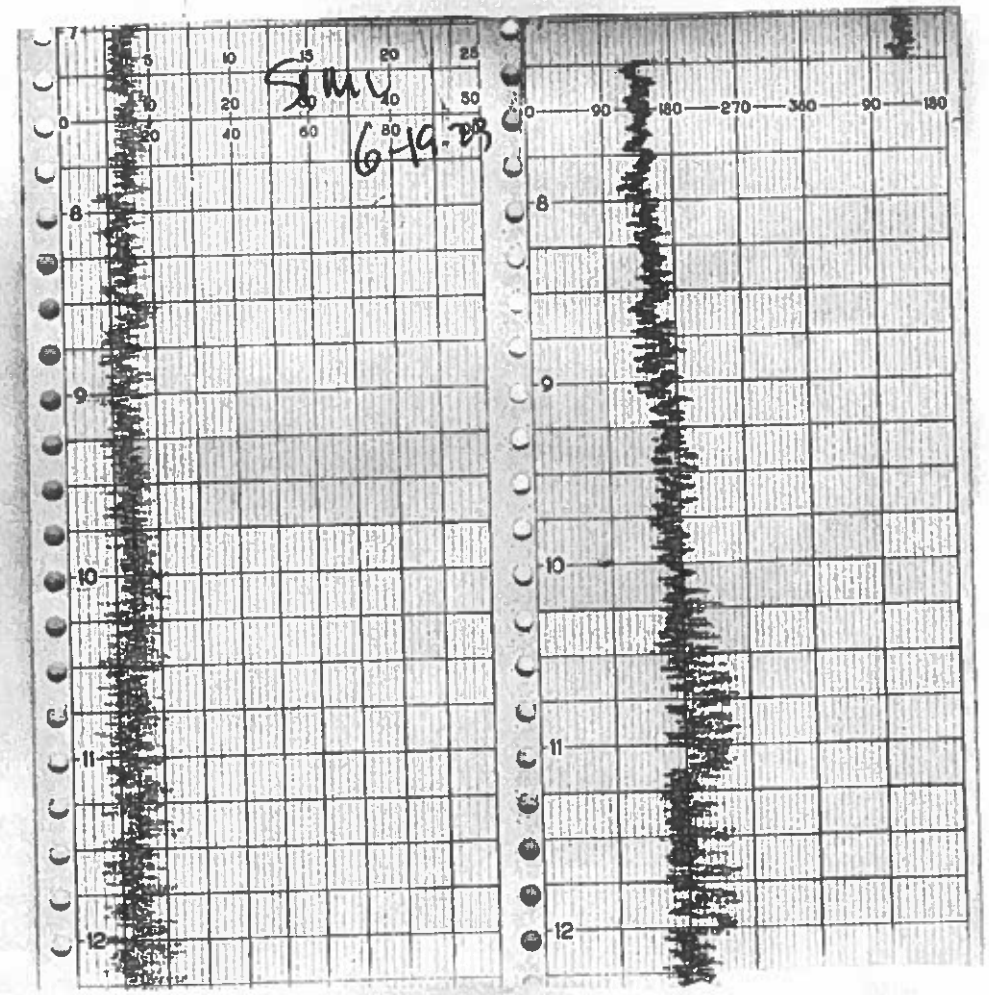
WIND SPEED & DIRECTION CHART ROLL



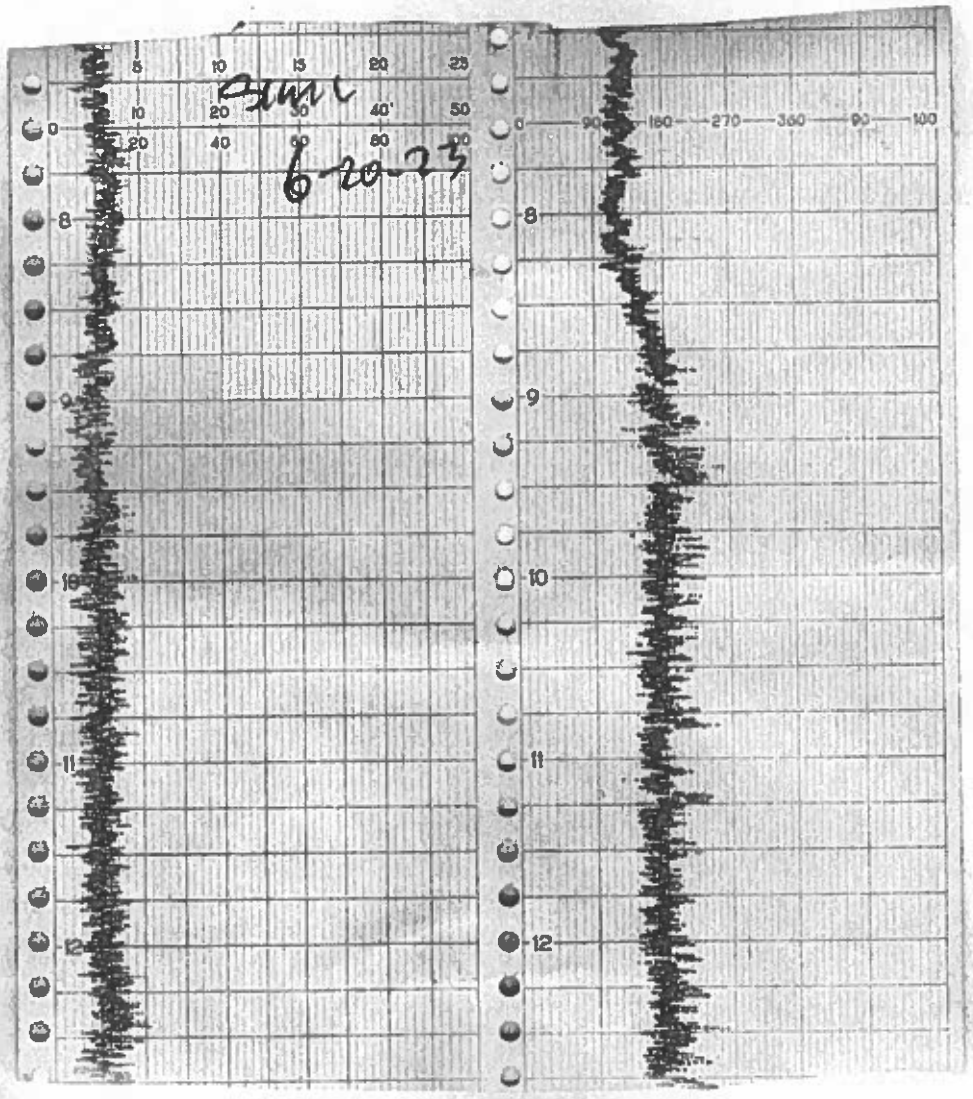
WIND SPEED & DIRECTION CHART ROLL



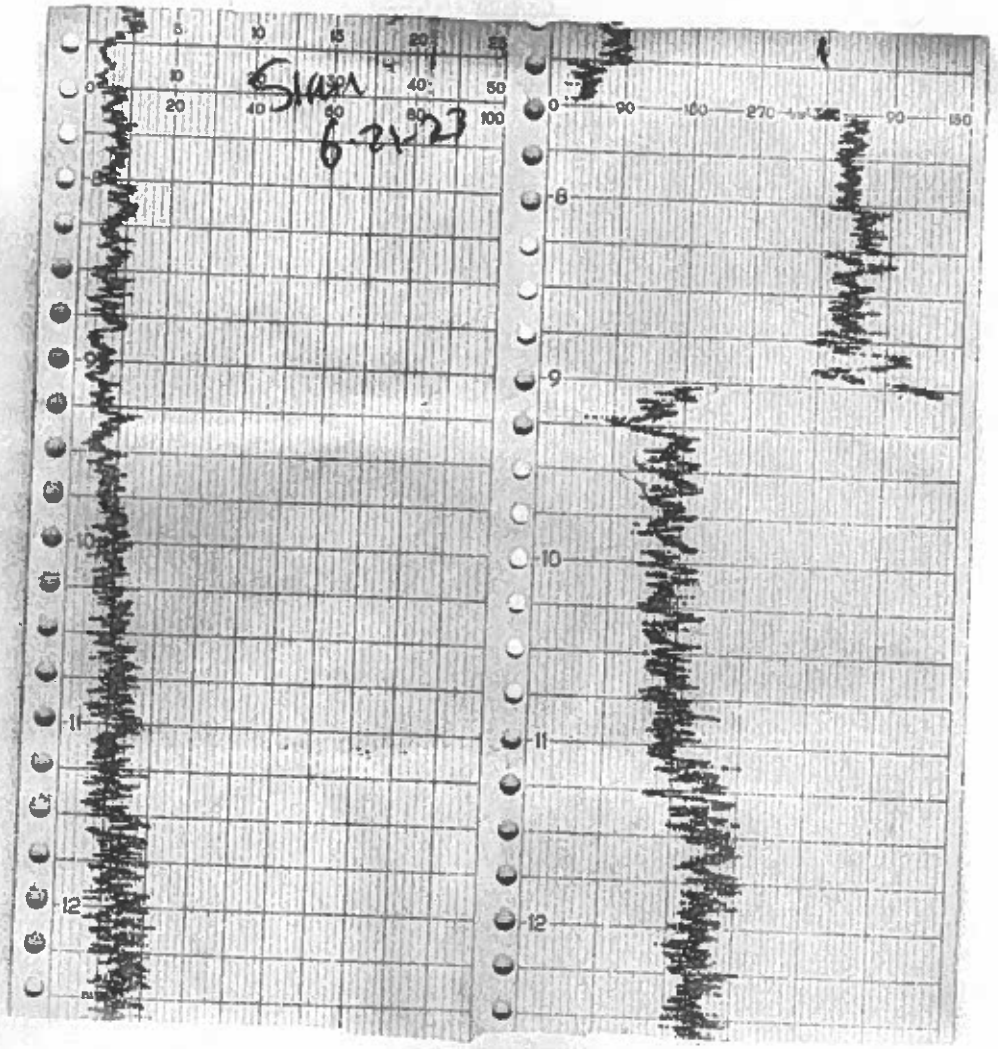
WIND SPEED & DIRECTION CHART ROLL



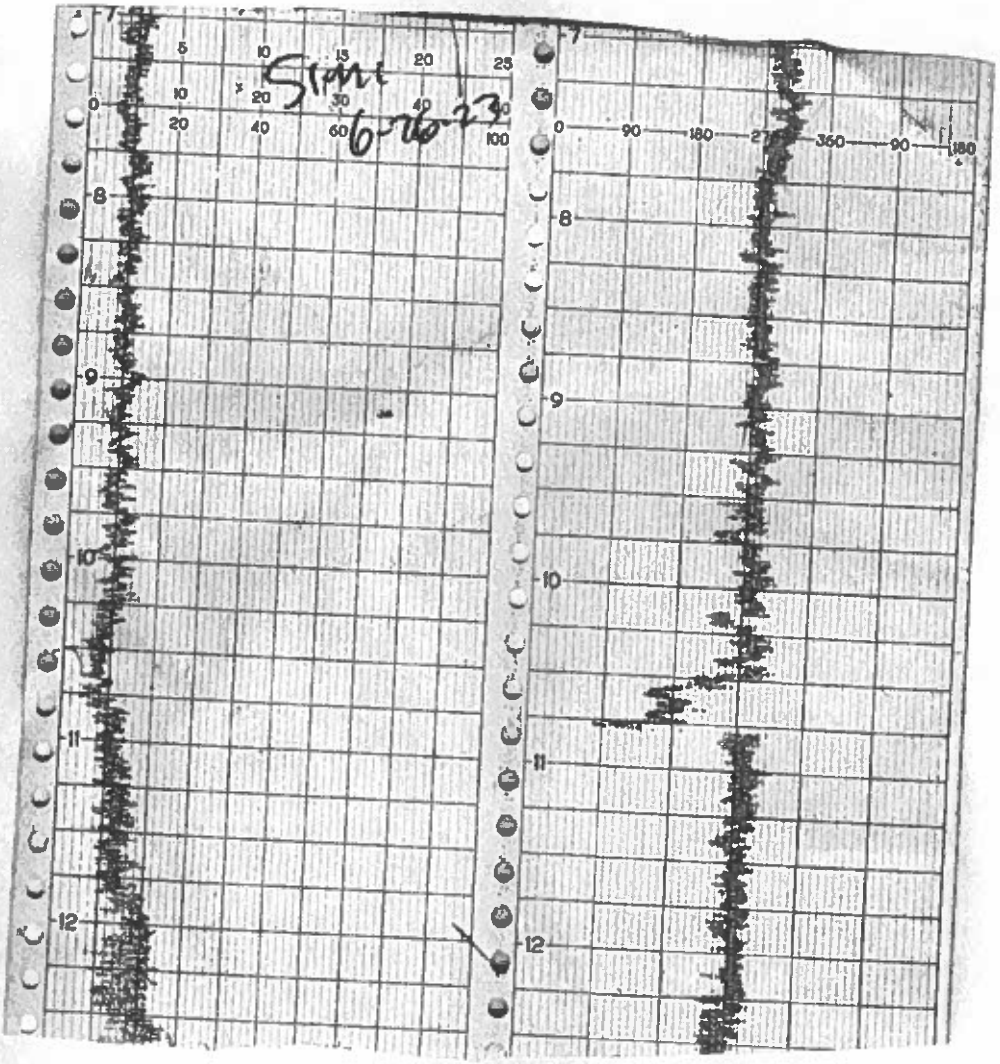
WIND SPEED & DIRECTION CHART ROLL



WIND SPEED & DIRECTION CHART ROLL



WIND SPEED & DIRECTION CHART ROLL



Attachment E

Calibration Records

Project :	RES_SimiValley landfill	**Date/Time :**	6/5/2023 4:45:49 AM
Model Number :	INSPECTRA	**Serial Number :**	761121
Latitude :	34.056352	**Longitude :**	-117.3072676
Test Status :	Completed	**Test Notes :**	Test successfully completed at 2023-Jun-05 04:47 using one span gas.

		Measurement #1		Measurement #2		Measurement #3					
GAS USED		T90	Reading	T90	Reading	T90	Reading	Average Algebraic Difference	Calibration Precision	Calibration Precision < 10	Average Response Time
	(ppm)	(sec)	(ppm)	(sec)	(ppm)	(sec)	(ppm)		(%)		(s)
ZERO	0										
Calibration Gas #1	500	6.7	476.3	6.6	477.1	6.5	476.5	23.4	4.7%	Yes	6.6

Gas Sequence ID :	0	**Date/Time :**	6/5/2023 4:45:49 AM
Gas Manufacturer :	intermountain	**Gas Lot Number :**	20-7421
Gas Expiration Date :	7/10/2024	**Bottle Pressure :**	1000
Misc Ref No :	N/A	**Technical Name :**	N/A
UN# :	N/A	**Cylinder ID :**	N/A

Gas Sequence ID :	1	**Date/Time :**	6/5/2023 4:45:49 AM
Gas Manufacturer :	Premier Safety	**Gas Lot Number :**	2-055-87
Gas Expiration Date :	3/1/2025	**Bottle Pressure :**	1000
Misc Ref No :	N/A	**Technical Name :**	N/A
UN# :	N/A	**Cylinder ID :**	N/A

Project :	RES_SimiValley landfill	**Date/Time :**	6/5/2023 4:33:42 AM
Model Number :	INSPECTRA	**Serial Number :**	1001221
Latitude :	34.0563681	**Longitude :**	-117.3072921
Test Status :	Completed	**Test Notes :**	Test successfully completed at 2023-Jun-05 04:35 using one span gas.

		Measurement #1		Measurement #2		Measurement #3					
GAS USED		T90	Reading	T90	Reading	T90	Reading	Average Algebraic Difference	Calibration Precision	Calibration Precision < 10	Average Response Time
	(ppm)	(sec)	(ppm)	(sec)	(ppm)	(sec)	(ppm)		(%)		(s)
ZERO	0										
Calibration Gas #1	500	9.5	462.9	7.0	466.6	7.1	467.1	34.5	6.9%	Yes	7.9

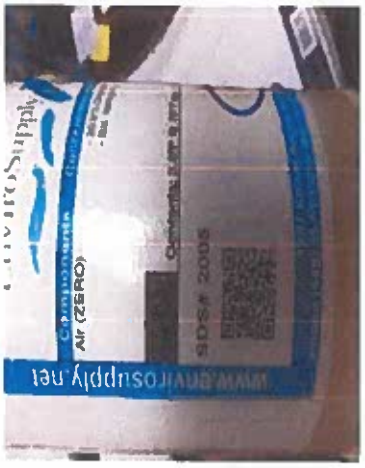
Gas Sequence ID :	0	**Date/Time :**	6/5/2023 4:33:42 AM
Gas Manufacturer :	Intermountain	**Gas Lot Number :**	20-7421
Gas Expiration Date :	7/10/2024	**Bottle Pressure :**	1000
Misc Ref No :	N/A	**Technical Name :**	N/A
UN# :	N/A	**Cylinder ID :**	N/A

Gas Sequence ID :	1	**Date/Time :**	6/5/2023 4:33:42 AM
Gas Manufacturer :	Premier Saftey	**Gas Lot Number :**	2-055-87
Gas Expiration Date :	3/1/2025	**Bottle Pressure :**	1000
Misc Ref No :	N/A	**Technical Name :**	N/A
UN# :	N/A	**Cylinder ID :**	N/A

Project :	RES_SimiValley landfill	**Date/Time :**	6/5/2023 4:50:24 AM
Model Number :	INSPECTRA	**Serial Number :**	811121
Latitude :	34.0563721	**Longitude :**	-117.3072917
Test Status :	Completed	**Test Notes :**	Test successfully completed at 2023-Jun-05 04:51 using one span gas.

		Measurement #1		Measurement #2		Measurement #3					
GAS USED		T90	Reading	T90	Reading	T90	Reading	Average Algebraic Difference	Calibration Precision	Calibration Precision < 10	Average Response Time
	(ppm)	(sec)	(ppm)	(sec)	(ppm)	(sec)	(ppm)		(%)		(s)
ZERO	0										
Calibration Gas #1	500	4.7	477.9	5.7	477.3	6.7	480.7	21.4	4.3%	Yes	5.7

Gas Sequence ID :	0	**Date/Time :**	6/5/2023 4:50:24 AM
Gas Manufacturer :	intermountain	**Gas Lot Number :**	20-7421
Gas Expiration Date :	7/10/2024	**Bottle Pressure :**	1000
Misc Ref No :	N/A	**Technical Name :**	N/A
UN# :	N/A	**Cylinder ID :**	N/A

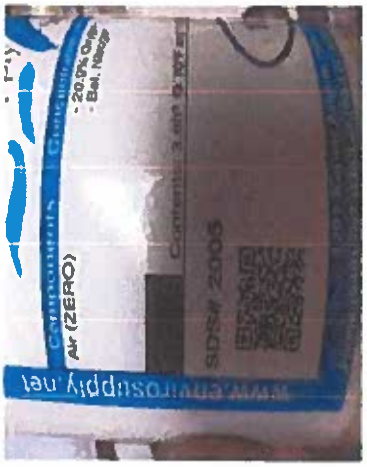


Gas Sequence ID :	1	**Date/Time :**	6/5/2023 4:50:24 AM
Gas Manufacturer :	Premier Safety	**Gas Lot Number :**	2-055-87
Gas Expiration Date :	3/1/2025	**Bottle Pressure :**	1000
Misc Ref No :	N/A	**Technical Name :**	N/A
UN# :	N/A	**Cylinder ID :**	N/A

Project :	RES_SimiValley landfill	**Date/Time :**	6/5/2023 4:42:17 AM
Model Number :	INSPECTRA	**Serial Number :**	881221
Latitude :	34.0563626	**Longitude :**	-117.3072799
Test Status :	Completed	**Test Notes :**	Test successfully completed at 2023-Jun-05 04:43 using one span gas.

		Measurement #1		Measurement #2		Measurement #3					
GAS USED		**T90**	**Reading**	**T90**	**Reading**	**T90**	**Reading**	**Average Algebraic Difference**	**Calibration Precision**	**Calibration Precision < 10**	**Average Response Time**
	(ppm)	**(sec)**	**(ppm)**	**(sec)**	**(ppm)**	**(sec)**	**(ppm)**		**(%)**		**(s)**
ZERO	0										
Calibration Gas #1	500	6.7	481.6	6.7	480.9	6.8	481.4	18.7	3.7%	Yes	6.7

Gas Sequence ID :	0	**Date/Time :**	6/5/2023 4:42:17 AM
Gas Manufacturer :	intermountain	**Gas Lot Number :**	20-7421
Gas Expiration Date :	7/10/2024	**Bottle Pressure :**	1000
Misc Ref No :	N/A	**Technical Name :**	N/A
UN# :	N/A	**Cylinder ID :**	N/A



Gas Sequence ID :	1	**Date/Time :**	6/5/2023 4:42:17 AM
Gas Manufacturer :	Intermountain	**Gas Lot Number :**	0-135-81
Gas Expiration Date :	11/10/2023	**Bottle Pressure :**	1000
Misc Ref No :	N/A	**Technical Name :**	N/A
UN# :	N/A	**Cylinder ID :**	N/A

Project :	RES_SimiValley landfill	**Date/Time :**	6/5/2023 4:40:33 AM
Model Number :	INSPECTRA	**Serial Number :**	1011221
Latitude :	34.0563919	**Longitude :**	-117.3072669
Test Status :	Completed	**Test Notes :**	Test successfully completed at 2023-Jun-05 04:41 using one span gas.

		Measurement #1		Measurement #2		Measurement #3					
GAS USED		**T90**	**Reading**	**T90**	**Reading**	**T90**	**Reading**	**Average Algebraic Difference**	**Calibration Precision**	**Calibration Precision < 10**	**Average Response Time**
	(ppm)	(sec)	(ppm)	(sec)	(ppm)	(sec)	(ppm)		(%)		(s)
ZERO	0										
Calibration Gas #1	500	7.1	473.4	7.5	474.1	6.9	474.2	26.1	5.2%	Yes	7.2

Gas Sequence ID :	0	**Date/Time :**	6/5/2023 4:40:33 AM
Gas Manufacturer :	intermountain	**Gas Lot Number :**	20-7421
Gas Expiration Date :	7/10/2024	**Bottle Pressure :**	1000
Misc Ref No :	N/A	**Technical Name :**	N/A
UN# :	N/A	**Cylinder ID :**	N/A

Gas Sequence ID :	1	**Date/Time :**	6/5/2023 4:40:33 AM
Gas Manufacturer :	Premier Safety	**Gas Lot Number :**	2-055-87
Gas Expiration Date :	3/1/2025	**Bottle Pressure :**	1000
Misc Ref No :	N/A	**Technical Name :**	N/A
UN# :	N/A	**Cylinder ID :**	N/A

RES
Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Simi Valley INSTRUMENT MAKE: Thermo

MODEL: TVM000 EQUIPMENT #: 36 SERIAL #: 0332603195

MONITORING DATE: 6-15-23 TIME: 0730

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 503 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
2.3 ppm	3.8 ppm	3.0 ppm

Background Value = 3.0 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	505 ppm	450 ppm	6
#2	503 ppm	450 ppm	7
#3	503 ppm	450 ppm	7
Calculate Response Time (1+2+3) / 3			6.6 #DIV/0! Must be less than 30 seconds

CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	1.2 ppm	505 ppm	5
#2	0.9 ppm	503 ppm	3
#3	1.1 ppm	503 ppm	3
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			0.7% #DIV/0! Must be less than 10%

Performed By: Michael O'Rue Date/Time: 6-15-23/0730

RES Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Simi Valley INSTRUMENT MAKE: Thermo

MODEL: TVA 1000 EQUIPMENT #: 39 SERIAL #: 4014737

MONITORING DATE: 6-15-23 TIME: 0730

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 497 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
2.5 ppm	3.2 ppm	2.8 ppm

Background Value = 2.8 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	495 ppm	450 ppm	7
#2	495 ppm	450 ppm	7
#3	497 ppm	450 ppm	6
Calculate Response Time (1+2+3)/3			6.6 #DIV/0! Must be less than 30 seconds

CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.9 ppm	495 ppm	5
#2	1.2 ppm	495 ppm	5
#3	0.7 ppm	497 ppm	3
Calculate Precision	[STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1		0.8% #DIV/0! Must be less than 10%

Performed By: Alberto Lopez Date/Time: 6-15-23/0730

RES
Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: Simi Valley INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 31 SERIAL #: 4917163

MONITORING DATE: 6-30-23 TIME: 0900

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 25.4 ppm
3. Adjust meter settings to read 25 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
2.7 ppm	3.2 ppm	2.9 ppm

Background Value = 2.9 **ppm**

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	25.5 ppm	22.5 ppm	4
#2	25.5 ppm	22.5 ppm	5
#3	25.4 ppm	22.5 ppm	5
Calculate Response Time (1+2+3) / 3			4.6 #DIV/0! Must be less than 30 seconds

CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 **ppm**

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	1.3 ppm	25.5 ppm	0.5
#2	1.1 ppm	25.5 ppm	0.5
#3	1.1 ppm	25.4 ppm	0.4
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1			1.8 #DIV/0! Must be less than 10%

Performed By: Alberto Lopez Date/Time: 6-30-23/0900

RES
Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INTEGRATED

LANDFILL NAME: Simi Valley INSTRUMENT MAKE: Thermo

MODEL: TVA1000 EQUIPMENT #: 2 SERIAL #: 7784545

MONITORING DATE: 6-30-23 TIME: 0900

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 24.3 ppm
3. Adjust meter settings to read 25 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
2.7 ppm	3.2 ppm	2.9 ppm

Background Value = 2.9 **ppm**

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	24.3 ppm	22.5 ppm	5
#2	24.4 ppm	22.5 ppm	4
#3	24.3 ppm	22.5 ppm	5
Calculate Response Time (1+2+3)/3			4.6 #DIV/0! Must be less than 30 seconds

CALIBRATION PRECISION RECORD

Calibration Gas Standard = 25 **ppm**

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.98 ppm	24.3 ppm	0.7
#2	1.2 ppm	24.4 ppm	0.6
#3	1.1 ppm	24.3 ppm	0.7
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/25 X 100/1			2.4 % #DIV/0! Must be less than 10%

Performed By: Michael Ortiz Date/Time: 6-30-23/0900

RES
Environmental Inc.

CALIBRATION PROCEDURE AND BACKGROUND REPORT – INSTANTANEOUS

LANDFILL NAME: Simi Valley INSTRUMENT MAKE: THERMO

MODEL: TVA1000 EQUIPMENT #: #1 SERIAL #: 1632083 2

MONITORING DATE: 7-6-23 TIME: 0800

Calibration Procedure:

1. Allow instrument to zero itself while introducing air.
2. Introduce calibration gas into the probe. Stabilized reading = 24.3 ppm
3. Adjust meter settings to read 500 ppm.

Background Determination Procedure

Upwind Background Reading: (Highest in 30 seconds)	Downwind Background Reading: (Highest in 30 seconds)	Background Value: (Upwind + Downwind) / 2
2.3 ppm	3.1 ppm	2.7 ppm

Background Value = 2.7 ppm

INSTRUMENT RESPONSE TIME RECORD

Measurement #	Stabilized Reading Using Calibration Gas	90% of the Stabilized Reading	Time to Reach 90% of Stabilized Reading after switching from Zero Air to Calibration Gas
#1	24.3 ppm	22.5 ppm	5
#2	24.4 ppm	22.5 ppm	4
#3	24.3 ppm	22.5 ppm	5
Calculate Response Time (1+2+3) / 3			4.6 #DIV/0! Must be less than 30 seconds

CALIBRATION PRECISION RECORD

Calibration Gas Standard = 500 ppm

Measurement #	Meter Reading for Zero Air (A)	Meter Reading for Calibration Gas (B)	Calculate Precision [STD – (B)]
#1	0.69 ppm	24.3 ppm	0.7
#2	0.72 ppm	24.4 ppm	0.6
#3	0.64 ppm	24.3 ppm	0.7
Calculate Precision [STD-B1] + [STD-B2] + [STD-B3] / 3 X 1/500 X 100/1			2.4% #DIV/0! Must be less than 10%

Performed By: ALBERTO LOPEZ Date/Time: 7-6-23 0800

RES Environmental Inc.

TVA1000B CALIBRATION VERIFICATION

CUSTOMER: RES Unit #1

SERIAL NUMBER: 16320832

TECHNICIAN: [signature] DATE: 4-2-23

GAS CALIBRATION CHECK (PERFORMED AT ROOM TEMPERATURE)

FID			
METHANE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
100	100	100	+/- 25
500	500	500	+/- 125
10000	10000	10,003	+/- 2500
< 1	ZERO GAS	0.62	< 3
PID			
ISOBUTYLENE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
50	50		+/- 12.5
100	100		+/- 25
500	500		+/- 125
< 1	ZERO GAS		< 3

All measurement standards are calibrated at scheduled intervals by the National Institute of Standards and Technology (NIST), or against certified standards, which are traceable to the National Institute of Standards and Technology.

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RES Environmental Inc.

TVA1000B CALIBRATION VERIFICATION

CUSTOMER: RES Unit #2

SERIAL NUMBER: 7784545

TECHNICIAN: MM DATE: 4-2-23

GAS CALIBRATION CHECK (PERFORMED AT ROOM TEMPERATURE)

FID			
METHANE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
100	100	100	+/- 25
500	500	501	+/- 125
10000	10000	10,001	+/- 2500
< 1	ZERO GAS	0.61	< 3
PID			
ISOBUTYLENE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
50	50		+/- 12.5
100	100		+/- 25
500	500		+/- 125
< 1	ZERO GAS		< 3

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RES Environmental Inc.

TVA1000B CALIBRATION VERIFICATION

CUSTOMER: RES Unit #3

SERIAL NUMBER: 158058847

TECHNICIAN: [signature] DATE: 11-2-23

GAS CALIBRATION CHECK (PERFORMED AT ROOM TEMPERATURE)

FID			
METHANE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
100	100	100	+/- 25
500	500	509	+/- 125
10000	10000	10,011	+/- 2500
< 1	ZERO GAS	0.4K	< 3
PID			
ISOBUTYLENE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
50	50		+/- 12.5
100	100		+/- 25
500	500		+/- 125
< 1	ZERO GAS		< 3

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RES Environmental Inc.

TVA1000B CALIBRATION VERIFICATION

CUSTOMER: RES Unit #4

SERIAL NUMBER: 163198330

TECHNICIAN: [signature] DATE: 4-2-23

GAS CALIBRATION CHECK (PERFORMED AT ROOM TEMPERATURE)

FID			
METHANE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
100	100	99	+/- 25
500	500	501	+/- 125
10000	10000	10,003	+/- 2500
< 1	ZERO GAS	0.52	< 3
PID			
ISOBUTYLENE GAS NOMINAL (ppm)	CALIBRATION GAS.(ppm)	TVA READING (ppm)	TOLERANCE (ppm)
50	50		+/- 12.5
100	100		+/- 25
500	500		+/- 125
< 1	ZERO GAS		< 3

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RES Environmental Inc.

TVA1000B CALIBRATION VERIFICATION

CUSTOMER: RES #5

SERIAL NUMBER: 49194580

TECHNICIAN: [signature] DATE: 4-2-23

GAS CALIBRATION CHECK (PERFORMED AT ROOM TEMPERATURE)

FID			
METHANE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
100	100	100	+/- 25
500	500	500	+/- 125
10000	10000	10,003	+/- 2500
< 1	ZERO GAS	0.69	< 3
PID			
ISOBUTYLENE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
50	50		+/- 12.5
100	100		+/- 25
500	500		+/- 125
< 1	ZERO GAS		< 3

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RES Environmental Inc.

TVA1000B CALIBRATION VERIFICATION

CUSTOMER: RES Unit #6

SERIAL NUMBER: 0720723626

TECHNICIAN: [signature] DATE: 4-2-23

GAS CALIBRATION CHECK (PERFORMED AT ROOM TEMPERATURE)

FID			
METHANE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
100	100	100	+/- 25
500	500	500	+/- 125
10000	10000	10,000	+/- 2500
< 1	ZERO GAS	0.78	< 3
PID			
ISOBUTYLENE GAS NOMINAL (ppm)	CALIBRATION GAS.(ppm)	TVA READING (ppm)	TOLERANCE (ppm)
50	50		+/- 12.5
100	100		+/- 25
500	500		+/- 125
< 1	ZERO GAS		< 3

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RES Environmental Inc.

TVA1000B CALIBRATION VERIFICATION

CUSTOMER: RES Unit #7

SERIAL NUMBER: 0720723627

TECHNICIAN: [signature] DATE: 4-2-23

GAS CALIBRATION CHECK (PERFORMED AT ROOM TEMPERATURE)

FID			
METHANE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
100	100	100	+/- 25
500	500	500	+/- 125
10000	10000	10,198	+/- 2500
< 1	ZERO GAS	0.64	< 3
PID			
ISOBUTYLENE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
50	50		+/- 12.5
100	100		+/- 25
500	500		+/- 125
< 1	ZERO GAS		< 3

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RES Environmental Inc.

TVA1000B CALIBRATION VERIFICATION

CUSTOMER: RES Unit #9

SERIAL NUMBER: 05321138 01

TECHNICIAN: JM MM DATE: 4-2-23

GAS CALIBRATION CHECK (PERFORMED AT ROOM TEMPERATURE)

FID			
METHANE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
100	100	100	+/- 25
500	500	500	+/- 125
10000	10000	10,004	+/- 2500
< 1	ZERO GAS	0.79	< 3
PID			
ISOBUTYLENE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
50	50		+/- 12.5
100	100		+/- 25
500	500		+/- 125
< 1	ZERO GAS		< 3

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RES Environmental Inc.

TVA1000B CALIBRATION VERIFICATION

CUSTOMER: RES UNIT # 29

SERIAL NUMBER: 1031445-324

TECHNICIAN: [signature] DATE: 4-2-23

GAS CALIBRATION CHECK (PERFORMED AT ROOM TEMPERATURE)

FID			
METHANE GAS NOMINAL (ppm)	CALIBRATION GAS (ppm)	TVA READING (ppm)	TOLERANCE (ppm)
100	100	100	+/- 25
500	500	500	+/- 125
10000	10000	10,009	+/- 2500
< 1	ZERO GAS	0.71	< 3
PID			
ISOBUTYLENE GAS NOMINAL (ppm)	CALIBRATION GAS.(ppm)	TVA READING (ppm)	TOLERANCE (ppm)
50	50		+/- 12.5
100	100		+/- 25
500	500		+/- 125
< 1	ZERO GAS		< 3

All measurement standards are calibrated at scheduled intervals by the National Institute of Standards and Technology (NIST), or against certified standards, which are traceable to the National Institute of Standards and Technology.

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RES Environmental Inc.

SURFACE EMISSION MONITORING INSTRUMENT
CALIBRATION LOG

Site: _____

Purpose: _____

Operator: _____

Date: 6-3-23 Time: 0630

Model # YLA 1000

Serial # #1 163208 32

INSTRUMENT INTEGRITY CHECKLIST		INSTRUMENT CALIBRATION
Battery test	(Pass) / Fail	CALIBRATION CHECK
Reading following ignition	2.6 ppm	Calibration Gas (ppm): 500 / Actual (ppm): 500 / % Accuracy: 100%
Leak test	(Pass) / Fail / NA	RESPONSE TIME
Clean system check (check valve chatter)	(Pass) / Fail / NA	Calibration Gas, ppm: 500
H_2 supply pressure gauge (acceptable range 9.5 - 12)	(Pass) / Fail / NA	90% of Calibration Gas, ppm: 450
Date of last factory calibration	4-2-23	Time required to attain 90% of Cal Gas ppm: 1. 6 / 2. 6 / 3. 7 / Average 6.3
Factory calibration record w/instrument within 3 months	(Pass) / Fail	Equal to or less than 30 seconds? (Y) N
		Instrument calibrated to CH4 gas.

Comments: _____

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RES Environmental Inc.

SURFACE EMISSION MONITORING INSTRUMENT
CALIBRATION LOG

Site: _____

Purpose: _____

Operator: _____

Date: 6-3-23 Time: 0645

Model # TVA 1000

Serial # #2 784545

INSTRUMENT INTEGRITY CHECKLIST		INSTRUMENT CALIBRATION
Battery test	(Pass) / Fail	CALIBRATION CHECK
Reading following ignition	2.1 ppm	Calibration Gas (ppm): 500 / Actual (ppm): 500 / % Accuracy: 100%
Leak test	(Pass) / Fail / NA	RESPONSE TIME
Clean system check (check valve chatter)	(Pass) / Fail / NA	Calibration Gas, ppm: 500
H_2 supply pressure gauge (acceptable range 9.5 - 12)	(Pass) / Fail / NA	90% of Calibration Gas, ppm: 450
Date of last factory calibration	4-2-23	Time required to attain 90% of Cal Gas ppm: 1. 5 / 2. 5 / 3. 6 / Average 5.3
Factory calibration record w/instrument within 3 months	(Pass) / Fail	Equal to or less than 30 seconds? (Y) N
		Instrument calibrated to CH4 gas.

Comments: _____

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RES Environmental Inc.

SURFACE EMISSION MONITORING INSTRUMENT
CALIBRATION LOG

Site: _____

Purpose: _____

Operator: _____

Date: 6-3-23 Time: 0700

Model # TVA 1000

Serial # #3 158165854

INSTRUMENT INTEGRITY CHECKLIST		INSTRUMENT CALIBRATION
Battery test	(Pass) / Fail	CALIBRATION CHECK
Reading following ignition	2.3 ppm	Calibration Gas (ppm): 500 — Actual (ppm): 500 — % Accuracy: 100
Leak test	(Pass) / Fail / NA	RESPONSE TIME
Clean system check (check valve chatter)	(Pass) / Fail / NA	Calibration Gas, ppm: 500
H_2 supply pressure gauge (acceptable range 9.5 - 12)	(Pass) / Fail / NA	90% of Calibration Gas, ppm: 450
Date of last factory calibration	4-2-23	Time required to attain 90% of Cal Gas ppm: 1. 5 2. 5 3. 5
Factory calibration record w/instrument within 3 months	(Pass) / Fail	Average: 5.0
		Equal to or less than 30 seconds? (Y) N
		Instrument calibrated to CH4 gas.

Comments: _____

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RES Environmental Inc.

SURFACE EMISSION MONITORING INSTRUMENT
CALIBRATION LOG

Site: _____

Purpose: _____

Operator: JM JM

Date: 6-3-23 Time: 0715

Model # TVA 1000

Serial # #4 163198 30

INSTRUMENT INTEGRITY CHECKLIST		INSTRUMENT CALIBRATION
Battery test	(Pass) / Fail	CALIBRATION CHECK
Reading following ignition	2.0 ppm	Calibration Gas (ppm): 500 / Actual (ppm): 500 / % Accuracy: 100%
Leak test	(Pass) / Fail / NA	RESPONSE TIME
Clean system check (check valve chatter)	(Pass) / Fail / NA	Calibration Gas, ppm: 500
H_2 supply pressure gauge (acceptable range 9.5 - 12)	(Pass) / Fail / NA	90% of Calibration Gas, ppm: 450
Date of last factory calibration	4-2-23	Time required to attain 90% of Cal Gas ppm: 1. 6 / 2. 5 / 3. 6
Factory calibration record w/instrument within 3 months	(Pass) / Fail	Average 5.6
		Equal to or less than 30 seconds? (Y) N
		Instrument calibrated to CH4 gas.

Comments: _____

P.O Box 748 • Colton, California 92324 •
(909) 422-1001 Toll Free (888) 325-1098 Fax (909) 422-0707 www.resenvironmental.com

RES Environmental Inc.

SURFACE EMISSION MONITORING INSTRUMENT
CALIBRATION LOG

Site: _____

Purpose: _____

Operator: _____

Date: 6-3-23 Time: 0730

Model # TVA 1000

Serial # #5 4919480

INSTRUMENT INTEGRITY CHECKLIST		INSTRUMENT CALIBRATION
Battery test	(Pass) / Fail	CALIBRATION CHECK
Reading following ignition	2.3 ppm	Calibration Gas (ppm): 500 / Actual (ppm): 500 / % Accuracy: 100%
Leak test	(Pass) / Fail / NA	RESPONSE TIME
Clean system check (check valve chatter)	(Pass) / Fail / NA	Calibration Gas, ppm: 500
H_2 supply pressure gauge (acceptable range 9.5 - 12)	(Pass) / Fail / NA	90% of Calibration Gas, ppm: 450
Date of last factory calibration	4-7-23	Time required to attain 90% of Cal Gas ppm: 1. 6 / 2. 6 / 3. 6 / Average 6.0
Factory calibration record w/instrument within 3 months	(Pass) / Fail	Equal to or less than 30 seconds? (Y) N
		Instrument calibrated to CH4 gas.

Comments: _____

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RES Environmental Inc.

SURFACE EMISSION MONITORING INSTRUMENT
CALIBRATION LOG

Site: _____

Purpose: _____

Operator: _____

Date: 6-3-23 Time: 0745

Model # TVA 1000

Serial # #6 0720723676

INSTRUMENT INTEGRITY CHECKLIST		INSTRUMENT CALIBRATION
Battery test	(Pass) / Fail	CALIBRATION CHECK
Reading following ignition	2.3 ppm	Calibration Gas (ppm): 500 / Actual (ppm): 500 / % Accuracy: 100%
Leak test	(Pass) / Fail / NA	RESPONSE TIME
Clean system check (check valve chatter)	(Pass) / Fail / NA	Calibration Gas, ppm: 500
H_2 supply pressure gauge (acceptable range 9.5 - 12)	(Pass) / Fail / NA	90% of Calibration Gas, ppm: 450
Date of last factory calibration	4-2-23	Time required to attain 90% of Cal Gas ppm: 1. 5 2. 5 3. 5 Average 5.0
Factory calibration record w/instrument within 3 months	(Pass) / Fail	Equal to or less than 30 seconds? (Y) N
		Instrument calibrated to CH4 gas.

Comments: _____

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RES Environmental Inc.

SURFACE EMISSION MONITORING INSTRUMENT
CALIBRATION LOG

Site: _____

Purpose: _____

Operator: _____

Date: 6-3-23 Time: 0800

Model # TVA 1000

Serial # #7 0720723677

INSTRUMENT INTEGRITY CHECKLIST		INSTRUMENT CALIBRATION
Battery test	(Pass) / Fail	CALIBRATION CHECK
Reading following ignition	2.0 ppm	Calibration Gas (ppm): 500 / Actual (ppm): 500 / % Accuracy: 100%
Leak test	(Pass) / Fail / NA	RESPONSE TIME
Clean system check (check valve chatter)	(Pass) / Fail / NA	Calibration Gas, ppm: 500
H_2 supply pressure gauge (acceptable range 9.5 - 12)	(Pass) / Fail / NA	90% of Calibration Gas, ppm: 450
Date of last factory calibration	4-2-23	Time required to attain 90% of Cal Gas ppm: 1. 5 2. 6 3. 6 Average 5.6
Factory calibration record w/instrument within 3 months	(Pass) / Fail	Equal to or less than 30 seconds? (Y) N
		Instrument calibrated to CH4 gas.

Comments: _____

P.O Box 748 • Colton, California 92324 •
(909) 422-1001 Toll Free (888) 325-1098 Fax (909) 422-0707 www.resenvironmental.com

RES Environmental Inc.

SURFACE EMISSION MONITORING INSTRUMENT
CALIBRATION LOG

Site: _____

Purpose: _____

Operator: Nick Jay

Date: 6-3-23 Time: 0815

Model # TVA 1000

Serial # #9 0532113801

INSTRUMENT INTEGRITY CHECKLIST		INSTRUMENT CALIBRATION
Battery test	(Pass) / Fail	CALIBRATION CHECK
Reading following ignition	2.6 ppm	Calibration Gas (ppm): 500 — Actual (ppm): 500 — % Accuracy: 100%
Leak test	(Pass) / Fail / NA	RESPONSE TIME
Clean system check (check valve chatter)	(Pass) / Fail / NA	Calibration Gas, ppm: 500
H_2 supply pressure gauge (acceptable range 9.5 - 12)	(Pass) / Fail / NA	90% of Calibration Gas, ppm: 450
Date of last factory calibration	4-2-23	Time required to attain 90% of Cal Gas ppm: 1. 5 2. 6 3. 6 Average 5.6
Factory calibration record w/instrument within 3 months	(Pass) / Fail	Equal to or less than 30 seconds? (Y) N
		Instrument calibrated to CH4 gas.

Comments: _____

P.O. Box 748 • Colton, California 92324 •
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RES Environmental Inc.

SURFACE EMISSION MONITORING INSTRUMENT
CALIBRATION LOG

Site: _____

Purpose: _____

Operator: _____

Date: 6-3-23 Time: 0830

Model # TVA 1000

Serial # #29 1031445324

INSTRUMENT INTEGRITY CHECKLIST		INSTRUMENT CALIBRATION
Battery test	(Pass) / Fail	CALIBRATION CHECK
Reading following ignition	2.4 ppm	Calibration Gas (ppm): 500 — Actual (ppm): 500 — % Accuracy: 100%
Leak test	(Pass) / Fail / NA	RESPONSE TIME
Clean system check (check valve chatter)	(Pass) / Fail / NA	Calibration Gas, ppm: 500
H_2 supply pressure gauge (acceptable range 9.5 - 12)	(Pass) / Fail / NA	90% of Calibration Gas, ppm: 450
Date of last factory calibration	4-2-23	Time required to attain 90% of Cal Gas ppm: 1. 6 2. 6 3. 6
Factory calibration record w/instrument within 3 months	(Pass) / Fail	Average 6.0
		Equal to or less than 30 seconds? (Y) N
		Instrument calibrated to CH4 gas.

Comments: _____

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GAZOMAT™
an ecotec company

Report of Checking

Delivered to : RES ENVIRONMENTAL - COLTON

Date of the report : 4/13/2023

Identifier of the detector

Detector name	: Inspectra Laser	Serial Number	**: 1011221**
Scale numbers	: 1	Next visit	: 4/13/2025

Method of Checking

Internal procedures : ATE04226
Calibration Bench n° : 41

Each scale of the checked apparatus was the subject of a measurement for zero value, and of a measurement for the value of the concentration of the gas standard injected .

Scale	Gaz	Concentration of the gas standard	Traceability of the gas (N° of production)	Specifications (awaited posted values)	Uncertainty on the concentration of the gas standard
PPM	CH4	0.0009999999% GAS	70086129308	10 PPM(± 10% relative)	± 2% relative
PPM	CH4	0.05% GAS	70086030712	500 PPM(± 10% relative)	± 2% relative
PPM	CH4	0.25% GAS	70086234202	2499 PPM(± 10% relative)	± 2% relative
PPM	CH4	1% GAS	109631206	10000 PPM(± 10% relative)	± 2% relative
PPM	CH4	2% GAS	70086800812	20000 PPM(± 10% relative)	± 2% relative
PPM	CH4	100% GAS	303114089201	1000000 PPM(± 10% relative)	± 2% relative

Result of the checking

The detector is considered to be in conformity with the specifications of reference

Technical Department

This document includes 1 page.

GAZOMAT™
an ecotec company

Report of Checking

Delivered to : RES ENVIRONMENTAL - COLTON

Date of the report : 4/13/2023

Identifier of the detector

Detector name	: Inspectra Laser	Serial Number	: **761121**
Scale numbers	: 1	Next visit	: 4/13/2025

Method of Checking

Internal procedures : ATE04226
Calibration Bench n° : 41

Each scale of the checked apparatus was the subject of a measurement for zero value, and of a measurement for the value of the concentration of the gas standard injected .

Scale	Gaz	Concentration of the gas standard	Traceability of the gas (N° of production)	Specifications (awaited posted values)	Uncertainty on the concentration of the gas standard
PPM	CH4	0.0009999999% GAS	70086129308	10 PPM(± 10% relative)	± 2% relative
PPM	CH4	0.05% GAS	70086030712	500 PPM(± 10% relative)	± 2% relative
PPM	CH4	0.25% GAS	70086234202	2499 PPM(± 10% relative)	± 2% relative
PPM	CH4	1% GAS	109631206	10000 PPM(± 10% relative)	± 2% relative
PPM	CH4	2% GAS	70086800812	20000 PPM(± 10% relative)	± 2% relative
PPM	CH4	100% GAS	303114089201	1000000 PPM(± 10% relative)	± 2% relative

Result of the checking

The detector is considered to be in conformity with the specifications of reference

Technical Department

This document includes 1 page.

GAZOMAT™
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Report of Checking

Delivered to : RES ENVIRONMENTAL - COLTON

Date of the report : 4/13/2023

Identifier of the detector

Detector name	: Inspectra Laser	Serial Number	**: 881221**
Scale numbers	: 1	Next visit	: 4/13/2025

Method of Checking

Internal procedures : ATE04226
Calibration Bench n° : 41

Each scale of the checked apparatus was the subject of a measurement for zero value, and of a measurement for the value of the concentration of the gas standard injected .

Scale	Gaz	Concentration of the gas standard	Traceability of the gas (N° of production)	Specifications (awaited posted values)	Uncertainty on the concentration of the gas standard
PPM	CH4	0.0009999999% GAS	70086129308	10 PPM(± 10% relative)	± 2% relative
PPM	CH4	0.05% GAS	70086030712	500 PPM(± 10% relative)	± 2% relative
PPM	CH4	0.25% GAS	70086234202	2499 PPM(± 10% relative)	± 2% relative
PPM	CH4	1% GAS	109631206	10000 PPM(± 10% relative)	± 2% relative
PPM	CH4	2% GAS	70086800812	20000 PPM(± 10% relative)	± 2% relative
PPM	CH4	100% GAS	303114089201	1000000 PPM(± 10% relative)	± 2% relative

Result of the checking

The detector is considered to be in conformity with the specifications of reference

Technical Department

This document includes 1 page.

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Report of Checking

Delivered to : RES ENVIRONMENTAL - COLTON

Date of the report : 4/13/2023

Identifier of the detector

Detector name	: Inspectra Laser	Serial Number	**: 811121**
Scale numbers	: 1	Next visit	: 4/13/2025

Method of Checking

Internal procedures : ATE04226
Calibration Bench n° : 41

Each scale of the checked apparatus was the subject of a measurement for zero value, and of a measurement for the value of the concentration of the gas standard injected .

Scale	Gaz	Concentration of the gas standard	Traceability of the gas (N° of production)	Specifications (awaited posted values)	Uncertainty on the concentration of the gas standard
PPM	CH4	0.0009999999% GAS	70086129308	10 PPM(± 10% relative)	± 2% relative
PPM	CH4	0.05% GAS	70086030712	500 PPM(± 10% relative)	± 2% relative
PPM	CH4	0.25% GAS	70086234202	2499 PPM(± 10% relative)	± 2% relative
PPM	CH4	1% GAS	109631206	10000 PPM(± 10% relative)	± 2% relative
PPM	CH4	2% GAS	70086800812	20000 PPM(± 10% relative)	± 2% relative
PPM	CH4	100% GAS	303114089201	1000000 PPM(± 10% relative)	± 2% relative

Result of the checking

The detector is considered to be in conformity with the specifications of reference

Technical Department

This document includes 1 page.

Intermountain Specialty Gases
520 N. Kings Road
Nampa, ID 83687 (USA)
Phone (800) 552-5003, Fax (208) 466-9143
www.isgases.com

INTERMOUNTAIN SPECIALTY GASES
"Your calibration gas manufacturer since 1992"

CERTIFICATE OF ANALYSIS

Composition	Certification	Analytical Accuracy (+/-)
Oxygen	20.9 %	2%
Nitrogen	Balance UHP	

Lot #	**20-7421**
Mfg. Date:	5/20/2020
Expiration Date:	
Transfill Date:	see cylinder
Parent Cylinder ID Number:	NY02268

Method of Preparation:

Gravimetric/Pressure Transfilled

Method of Analysis:

The parent mix was prepared gravimetrically and is traceable to the NIST by certified weights (ID #CA10814) used to calibrate the scale.

Analysis By: Tony Janquart
Title: Quality Assurance Manager
Certificate Date: 5/20/2020


Service
INC
Concentration (Mole%) Accuracy
20.9% Oxygen
Bal. Nitrogen
@ 70°F and 1,000 PSIG
Lot#: 20-7421
P/N:01-100
103 L
Kaiser Avenue, Irvine, CA 92614
(800) 201-8150 Fax (949) 757-0363
103-01-100
103 L

INTERMOUNTAIN SPECIALTY GASES

520 N. Kings Road • Nampa • Idaho • 83687

800-552-5003 • www.isgases.com

CERTIFICATE OF ANALYSIS

Composition	Certification	Analytical Accuracy
Methane	25 ppm	± 5%
Air	Balance	

Lot # 17-6074

Mfg. Date: 10/16/2017

Parent Cylinder ID Number: 17161

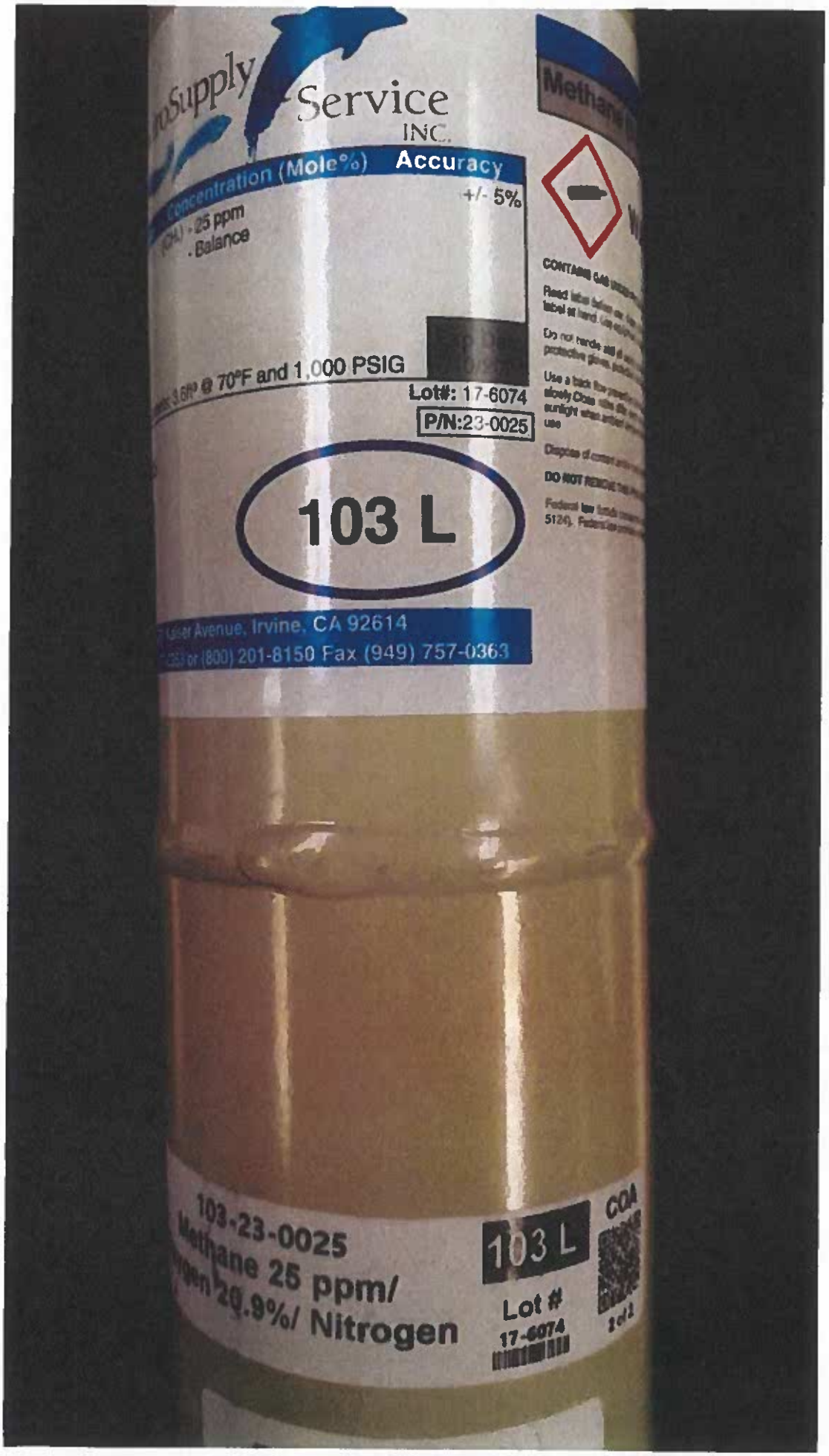
Method of Preparation:

Gravimetric/Pressure Transfilled

Method of Analysis:

The parent mix was prepared gravimetrically and is traceable to the NIST by certified weights (ID #CA10814) used to calibrate the scale.

Analysis By: Tony Janquart
Quality Assurance Manager
800-552-5003
Certificate Date: 10/16/2017


Service
INC.
Concentration (Mole%)
Accuracy
+/- 5%
25 ppm
Balance
@ 70°F and 1,000 PSIG
Lot#: 17-6074
P/N:23-0025
103 L
Irvine, CA 92614
(800) 201-8150 Fax (949) 757-0363
103-23-0025
Methane 25 ppm/
Nitrogen
103 L
Lot #
17-6074
COA

INTERMOUNTAIN SPECIALTY GASES

520 N. Kings Road • Nampa • Idaho • 83687

800-552-5003 • www.isgases.com

CERTIFICATE OF ANALYSIS

Composition	Certification	Analytical Accuracy
Methane	25 ppm	± 5%
Air	Balance	

Lot # 17-6074

Mfg. Date: 10/16/2017

Parent Cylinder ID Number: 17161

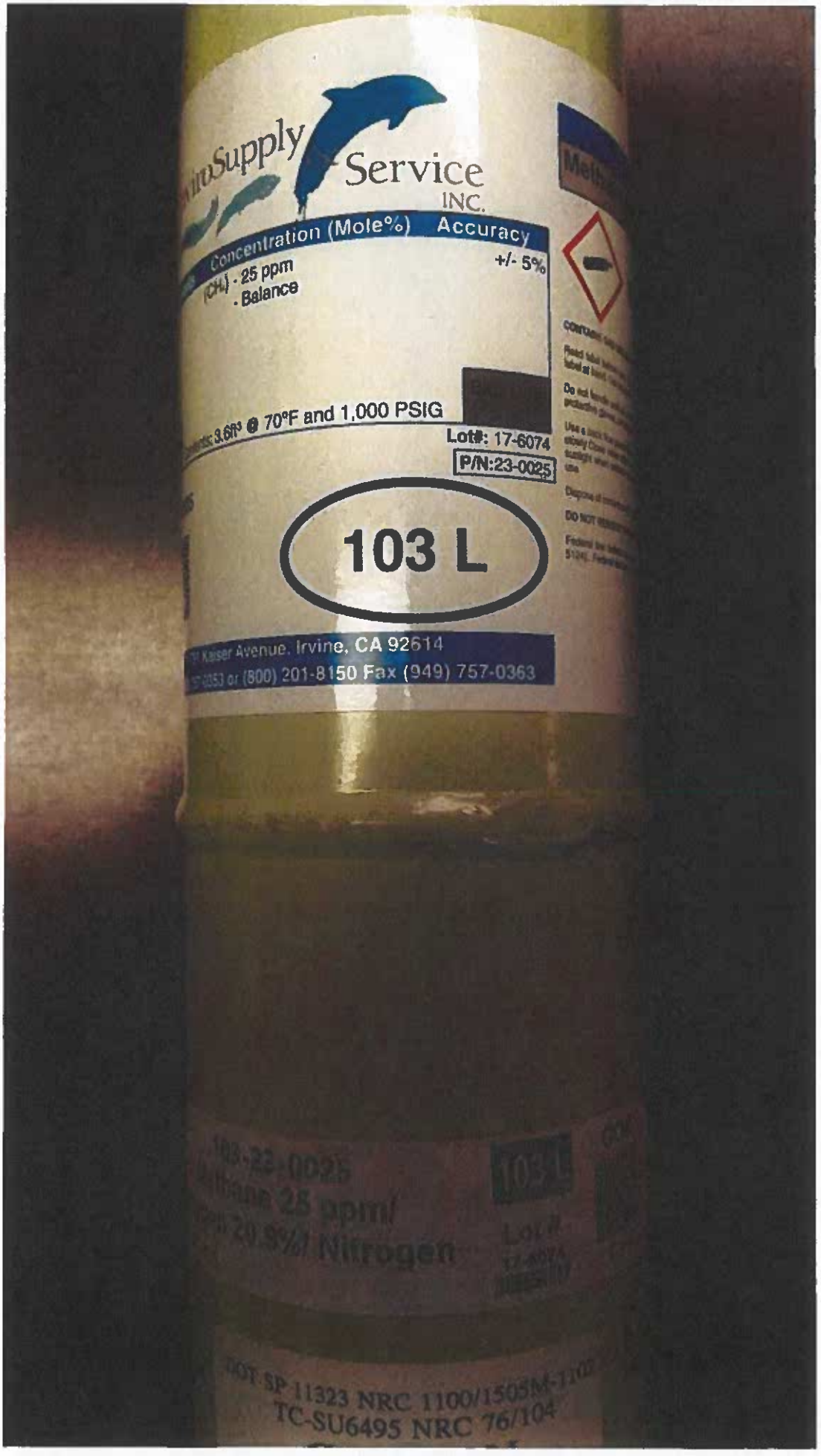
Method of Preparation:

Gravimetric/Pressure Transfilled

Method of Analysis:

The parent mix was prepared gravimetrically and is traceable to the NIST by certified weights (ID #CA10814) used to calibrate the scale.

Analysis By: Tony Janquart
Quality Assurance Manager
800-552-5003
Certificate Date: 10/16/2017


Supply
Service
INC.
Concentration (Mole%)
Accuracy
(CH4) - 25 ppm
+/- 5%
. Balance
3.6ft³ @ 70°F and 1,000 PSIG
Lot#: 17-6074
P/N:23-0025
103 L
Kaiser Avenue, Irvine, CA 92614
(800) 201-8150 Fax (949) 757-0363
Nitrogen
DOT SP 11323 NRC 1100/1505M-1102
TC-SU6495 NRC 76/104

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CERTIFICATE OF ANALYSIS

Composition	Certification	Analytical Accuracy (+/-)
Methane	500 ppm	2%
Oxygen	20.9 %	2%
Nitrogen	Balance UHP	

Lot #	20-7497
Mfg. Date:	7/10/2020
Expiration Date:	
Transfill Date:	see cylinder
Parent Cylinder ID Number:	TWC001763

Method of Preparation:

Gravimetric/Pressure Transfilled

Method of Analysis:

The parent mix was prepared gravimetrically and is traceable to the NIST by certified weights (ID #CA10814) used to calibrate the scale.

Analysis By: Tony Janquart
Title: Quality Assurance Manager
Certificate Date: 7/10/2020


Service
INC.
Accuracy
+/- 2%
Lot#: 20-7497
P/N:23-0500
103 L
Irvine, CA 92614
Fax (949) 757-0363
Methane
103 L
COA
Lot #
20-7497

INTERMOUNTAIN SPECIALTY GASES

520 N. Kings Road • Nampa • Idaho • 83687

800-552-5003 • www.isgases.com

CERTIFICATE OF ANALYSIS

Composition	Certification	Analytical Accuracy
Methane	500 ppm	± 2%
Air	Balance	

Lot # 19-6955

Mfg. Date: 7/24/2019

Parent Cylinder ID Number: 001763

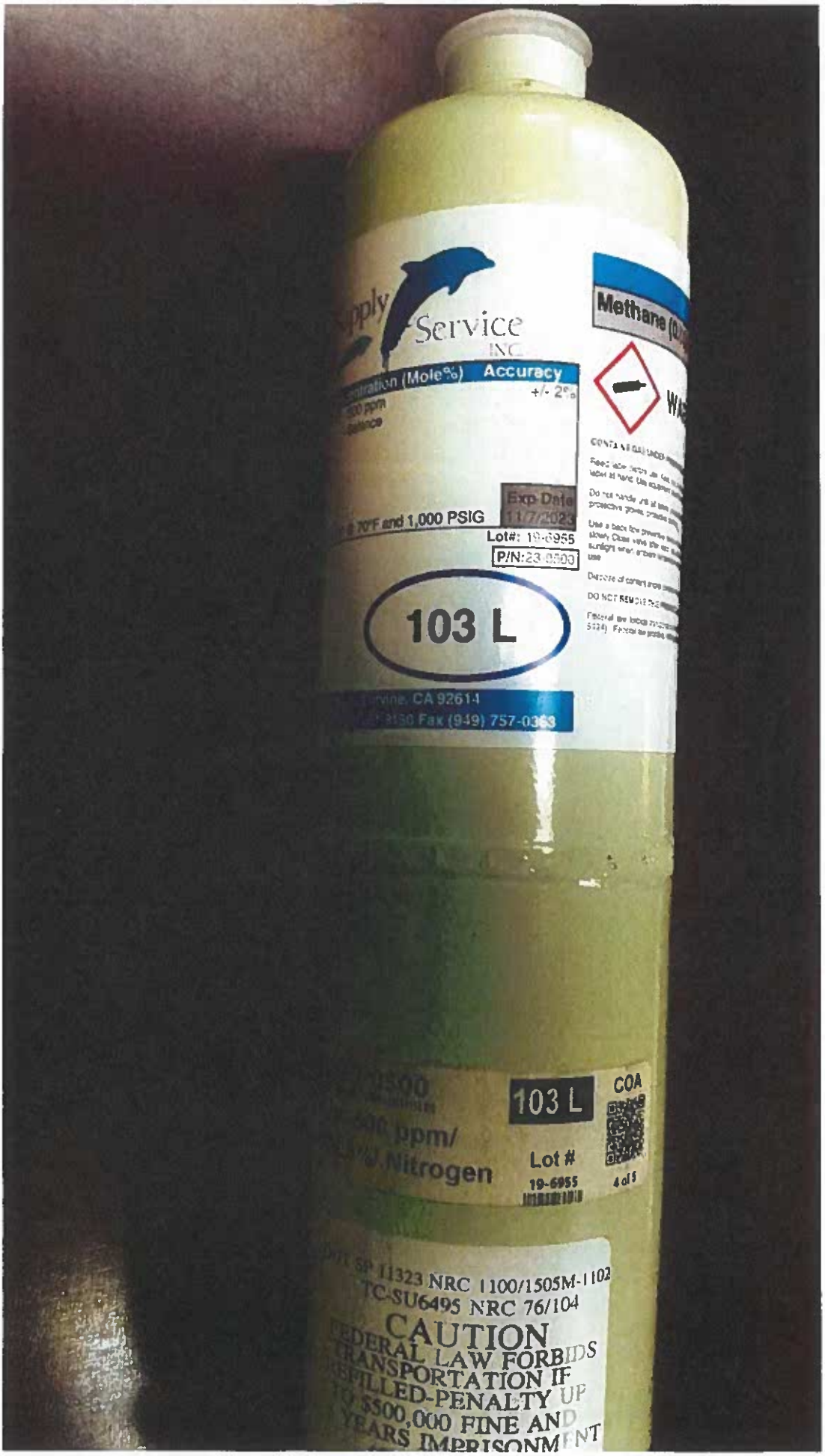
Method of Preparation:

Gravimetric/Pressure Transfilled

Method of Analysis:

The parent mix was prepared gravimetrically and is traceable to the NIST by certified weights (ID #CA10814) used to calibrate the scale.

Analysis By: Tony Janquart
Quality Assurance Manager
800-552-5003
Certificate Date: 7/24/2019


Service
INC
Accuracy
+/- 2%
Exp Date
Lot#: 19-6955
P/N:23-0500
103 L
Methane
Irvine, CA 92614
Fax (949) 757-0363
103 L
COA
Lot #
19-6955
4 of 5
Nitrogen
SP 11323 NRC 1100/1505M-1102
TC-SU6495 NRC 76/104
CAUTION
FEDERAL LAW FORBIDS
TRANSPORTATION IF
SPILLED-PENALTY UP
TO $500,000 FINE AND

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CERTIFICATE OF ANALYSIS

Composition	Certification	Analytical Accuracy (+/-)
Methane	500 ppm	2%
Oxygen	20.9 %	2%
Nitrogen	Balance UHP	

Lot #	18-6641
Mfg. Date:	12/18/2018
Expiration Date:	
Transfill Date:	see cylinder
Parent Cylinder ID Number:	001763

Method of Preparation:

Gravimetric/Pressure Transfilled

Method of Analysis:

The parent mix was prepared gravimetrically and is traceable to the NIST by certified weights (ID #CA10814) used to calibrate the scale.

Analysis By: Tony Janquart
Title: Quality Assurance Manager
Certificate Date: 12/18/2018


Concentration (Mole%)
Accuracy
500 ppm
Balance
+/- 2%
@ 70°F and 1,000 PSIG
Exp Date
103 L
Kaiser Avenue, Irvine, CA 92614
(800) 201-8150 Fax: (949) 757-0303
103 L
COA
Lot #
18-6641
NRC 1100/1505M-1102

NOR

Calibration Gases & Equipment

CERTIFICATE OF ANALYSIS

Premier Safety & Service

46400 Continental Drivve
Chesterfield ,MI 48047

Cust Number 07152
Order Number 62891146
PO Number 04548169

Lot Number 9-326-80
Norlab Part# J1971500PA
Cylinder Size 103 Liter
Number of Cyl 1

Customer Part# N/A

Date on Manufacture 12/31/2019
Expires 12/2022
Analytical Accuracy +/- 2 %

Component	Reported Concentration	Requested Concentration
Methane	500 ppm	500 ppm
Air	Balance	Balance

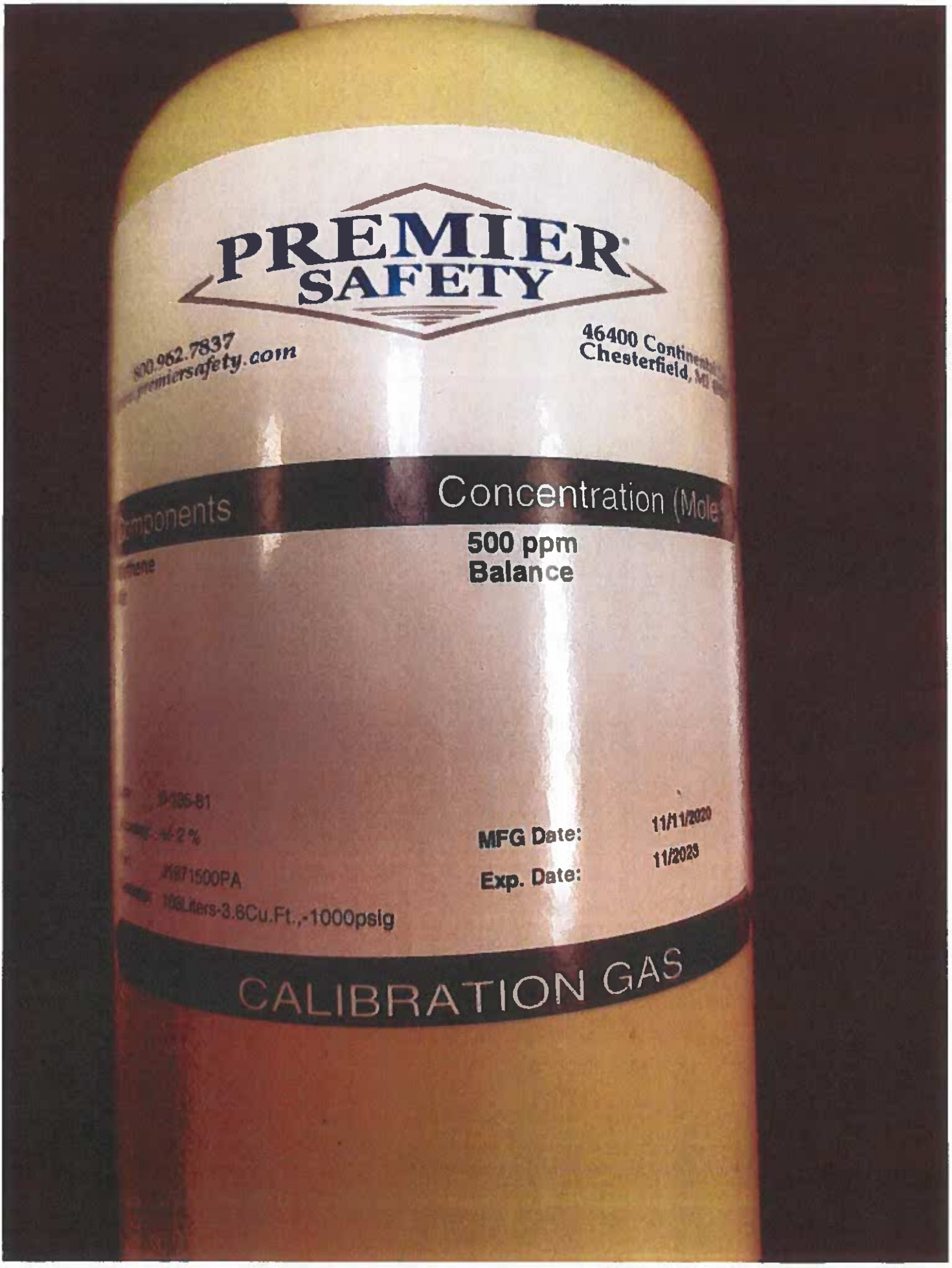
Storage: Keep away from heat, flames, and sparks. Store and use with adequate ventilation. Close valve when not in use and when empty. Never allow cylinder temperature to exceed 125 degrees F.

The cylinders in this lot were transfilled from cylinders prepared gravimetrically and traceable to the NIST by the certified weights used to calibrate the scale. The transfilled cylinders were then analyzed against standards traceable to the NIST by weights or SRMs.
NIST Traceable Numbers 20180519 and 20180224

Date Signed: 12/31/2019

David Reed
Lab Technician

900 W. HOWARD ROAD • BOISE, IDAHO 83705
Phone (208) 336-1611 • Fax (208) 331-3038 • 800-657-9812


PREMIER
SAFETY
800.962.7837
premiersafety.com
46400 Continental
Chesterfield, MI
Components
Concentration (Mole
500 ppm
Balance
MFG Date:
11/11/2020
Exp. Date:
11/2023
CALIBRATION GAS

NorLAB®
A DIVISION OF NORCO, INC.
Calibration Gases & Equipment

CERTIFICATE OF ANALYSIS

Premier Safety & Service

33596 Sterling Pond Blvd
Sterling Hights MI 48312

Cust Number 07152
Order Number 69679439
PO Number 04906817

Lot Number 2-154-85
Norlab Part# J1002
Cylinder Size 103 Liter
Number of Cyl 1

Customer Part# N/A

Date on Manufacture 6/13/2022
Expires 06/2025
Analytical Accuracy Certified

Component	Reported Concentration	Requested Concentration
Air	Zero Grade	Zero Grade
Oxygen	20.9 %	20.9 %
T.H.C. (as Methane)	< 1.0 ppm	< 1.0 ppm
Nitrogen	Balance	Balance

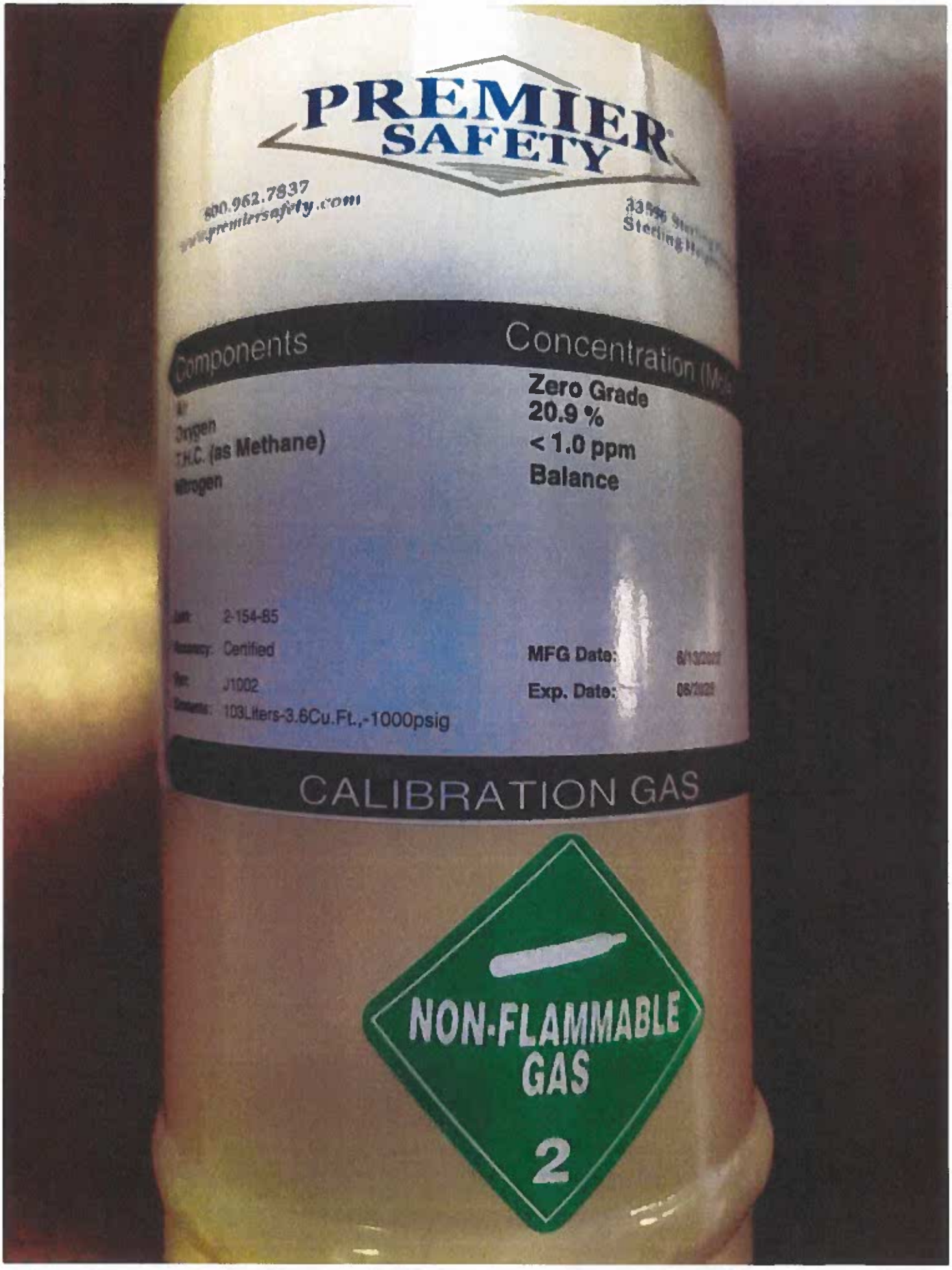
Storage: Keep away from heat, flames, and sparks. Store and use with adequate ventilation. Close valve when not in use and when empty. Never allow cylinder temperature to exceed 125 degrees F.

Minor constituents tested with standards traceable to NIST by mass or comparison to SRM's (Standard Reference Materials).

NIST Traceable Numbers are available upon request.

Approved: _____ Date Signed: 6/13/2022
David Reed
Lab Technician

898 W. GOWEN ROAD • BOISE, IDAHO 83705
Phone (208) 336-1643 • Fax (208) 331-3038 • 800-657-6672


PREMIER
SAFETY
800.962.7837
www.premiersafety.com
Components
Concentration
Zero Grade
20.9 %
< 1.0 ppm
Balance
Oxygen
T.H.C. (as Methane)
2-154-B5
Certified
J1002
103Liters-3.6Cu.Ft.,-1000psig
MFG Date:
Exp. Date:
CALIBRATION GAS
NON-FLAMMABLE
GAS
2

NorLAB®
A DIVISION OF NORCO, INC.
Calibration Gases & Equipment

CERTIFICATE OF ANALYSIS

Premier Safety & Service

33596 Sterling Pond Blvd
Sterling Hights MI 48312

Cust Number 07152
Order Number 69671309
PO Number 08361523

Lot Number 2-108-80
Norlab Part# J1971500PA
Cylinder Size 103 Liter
Number of Cyl 1

Customer Part# N/A

Date on Manufacture 6/10/2022
Expires 06/2025
Analytical Accuracy +/- 2 %

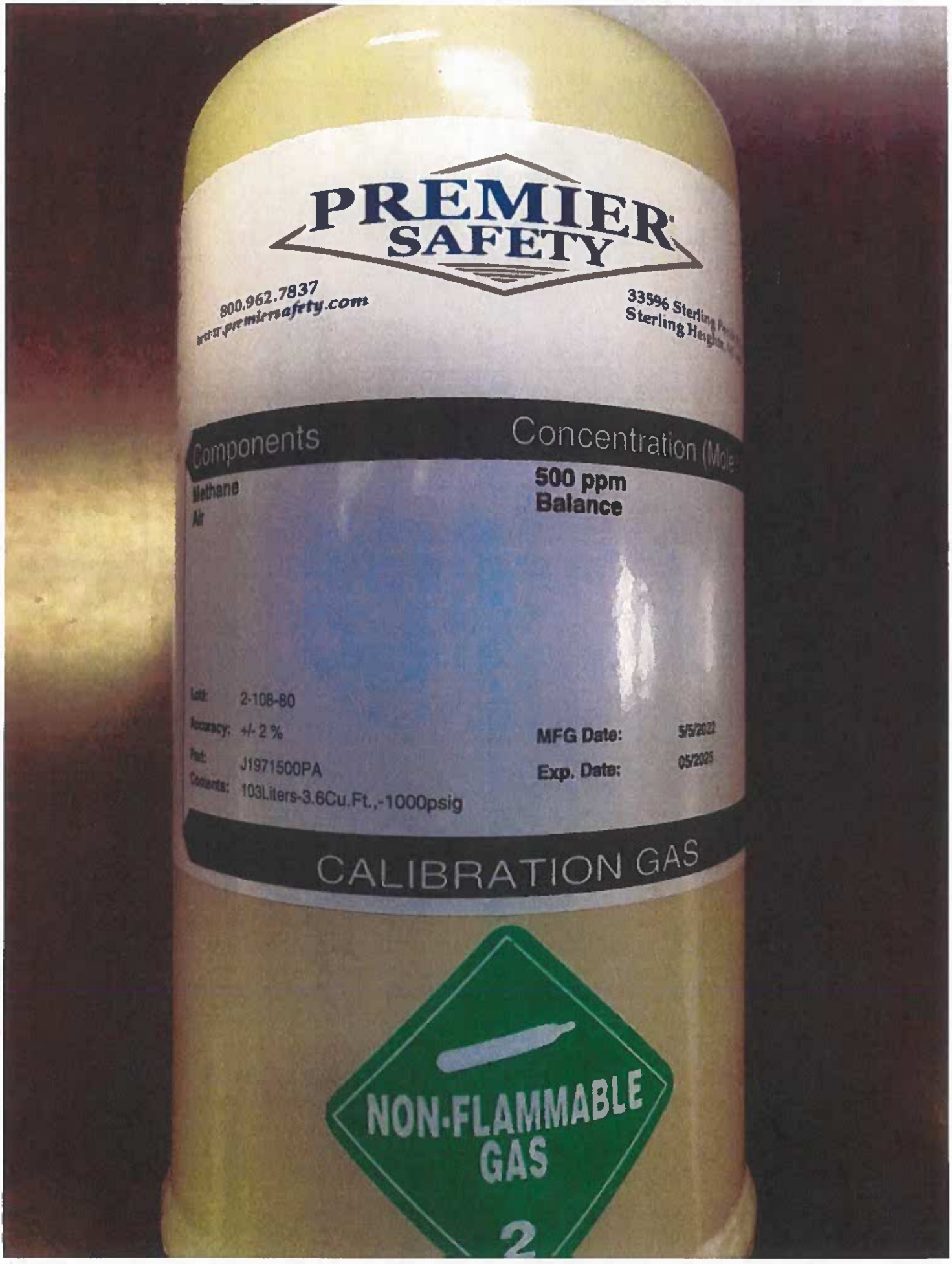
Component	Reported Concentration	Requested Concentration
Methane	500 ppm	500 ppm
Air	Balance	Balance

Storage: Keep away from heat, flames, and sparks. Store and use with adequate ventilation. Close valve when not in use and when empty. Never allow cylinder temperature to exceed 125 degrees F.

The cylinders in this lot were transfilled from cylinders prepared gravimetrically and traceable to the NIST by the certified weights used to calibrate the scale. The transfilled cylinders were then analyzed against standards traceable to the NIST by weights or SRMs. NIST Traceable Numbers are available upon request.

Approved: _____ Date Signed: 6/10/2022
David Reed
Lab Technician

898 W. GOWEN ROAD • BOISE, IDAHO 83705
Phone (208) 336-1643 • Fax (208) 331-3038 • 800-657-6672


PREMIER SAFETY
800.962.7837
www.premiersafety.com
33596 Sterling
Sterling Heights
Components
Concentration (Mole
Methane
Air
500 ppm
Balance
Lot: 2-108-80
Accuracy: +/- 2 %
Part: J1971500PA
Contents: 103Liters-3.6Cu.Ft.,-1000psig
MFG Date: 5/5/2022
Exp. Date: 05/2025
CALIBRATION GAS
NON-FLAMMABLE
GAS
2

NorLAB®
A DIVISION OF NORCO, INC.
Calibration Gases & Equipment

CERTIFICATE OF ANALYSIS

Norco, Inc
Twin Falls Warehouse
203 S. Park Ave. West
Twin Falls, ID 83301

Cust Number WH012
Order Number 71846398
PO Number 04A35563

Lot Number 3-088-88
Norlab Part# J1971500PA
Cylinder Size 103 Liter
Number of Cyl 5

Customer Part# N/A

Date on Manufacture 4/7/2023
Expires 04/2027
Analytical Accuracy +/- 2 %

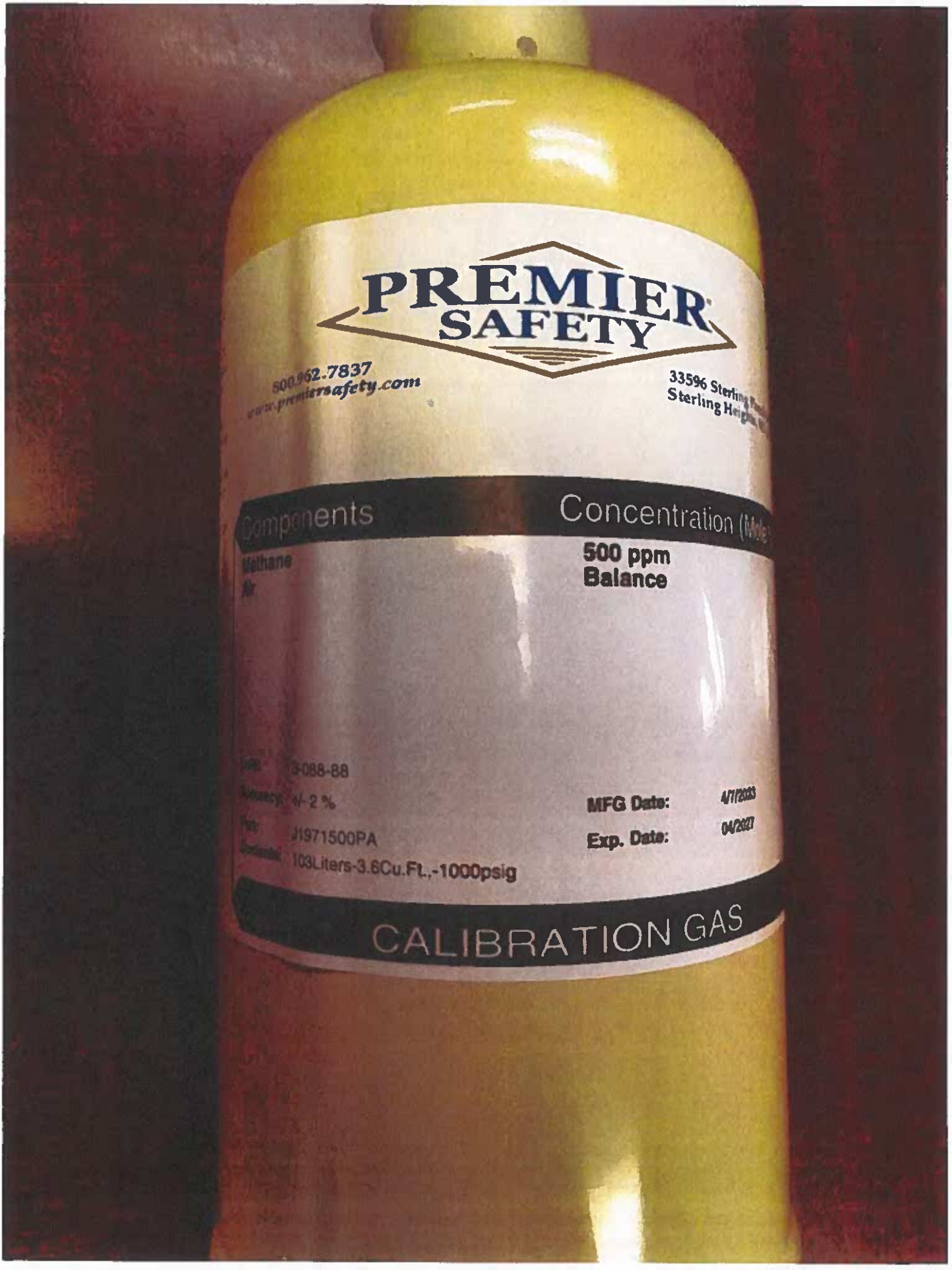
Component	Reported Concentration	Requested Concentration
Methane	500 ppm	500 ppm
Air	Balance	Balance

Storage: Keep away from heat, flames, and sparks. Store and use with adequate ventilation. Close valve when not in use and when empty. Never allow cylinder temperature to exceed 125 degrees F.

The cylinders in this lot were transfilled from cylinders prepared gravimetrically and traceable to the NIST by the certified weights used to calibrate the scale. The transfilled cylinders were then analyzed against standards traceable to the NIST by weights or SRMs. NIST Traceable Numbers are available upon request.

Approved: _____ Date Signed: 4/7/2023
Jeff Korn
Lab Technician

898 W. GOWEN ROAD • BOISE, IDAHO 83705
Phone (208) 336-1643 • Fax (208) 331-3038 • 800-657-6672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